

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032621\
 Data File : VL036504.D
 Acq On : 26 Mar 2021 5:51
 Operator :
 Sample : VSTDCCC010
 Misc : 400 mL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 26 08:27:46 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1505209	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.20	114	3699962	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.11	117	4153914	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2750219	8.31	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	2125434	8.657	ppbv 98
3) Chlorodifluoromethane	3.00	51	2503545	8.902	ppbv 99
4) Chloromethane	3.15	50	851830	8.575	ppbv 92
5) Vinyl Chloride	3.27	62	827093	8.098	ppbv 97
6) Bromomethane	3.48	94	489858	8.711	ppbv 99
7) Chloroethane	3.57	64	307663	8.766	ppbv 98
8) Dichlorotetrafluoroethane	3.20	85	1991932	8.501	ppbv 99
9) Propene	3.02	41	786877	8.777	ppbv 98
10) Heptane	8.14	43	2047004	8.962	ppbv 99
11) Trichlorofluoromethane	3.96	101	2189024	8.749	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1429221	8.935	ppbv 97
13) Ethanol	3.62	45	63639	5.961	ppbv 74
14) Bromoethene	3.75	108	585549	8.805	ppbv 98
15) Acetone	3.86	43	1179551	7.962	ppbv 97
16) 1,3-Butadiene	3.34	39	911530	8.838	ppbv 98
17) tert-Butyl alcohol	4.31	59	1070145	8.298	ppbv 99
18) 1,1-Dichloroethene	4.30	96	620617	8.722	ppbv 100
19) Isopropyl Alcohol	3.98	45	598570	7.345	ppbv # 1
20) Methylene Chloride	4.36	84	559868	8.072	ppbv 96
21) Allyl Chloride	4.43	41	1011347	8.564	ppbv 99
22) trans-1,2-Dichloroethene	4.90	96	576283	8.736	ppbv 97
23) Vinyl Acetate	5.09	43	2229521	8.798	ppbv 98
24) 1,1-Dichloroethane	5.03	63	1639425	8.876	ppbv 98
25) Ethyl Acetate	5.69	43	2943133	8.356	ppbv 99
26) Hexane	5.70	57	1431074	8.756	ppbv 98
27) Carbon Disulfide	4.56	76	1562042	9.701	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	1631983	8.467	ppbv 98
29) Chloroform	5.77	83	2246430	8.594	ppbv 98
30) Cyclohexane	7.15	84	1177391	8.882	ppbv 96
31) cis-1,2-Dichloroethene	5.56	61	1423375	9.004	ppbv 98
32) 1,1,1-Trichloroethane	6.53	97	2228674	8.460	ppbv 97
34) 2-Butanone	5.26	43	1472660	8.154	ppbv 100
35) Carbon Tetrachloride	7.04	117	2347610	8.261	ppbv 97
36) Benzene	6.91	78	2954440	8.658	ppbv 100
37) 1,2-Dichloroethane	6.33	62	1679012	8.360	ppbv 100
38) Trichloroethene	7.86	130	1050052	7.907	ppbv 98
39) 1,2-Dichloropropane	7.63	63	1180302	8.527	ppbv 97
40) 1,4-Dioxane	7.85	88	226126	7.019	ppbv # 53
41) Tetrahydrofuran	6.07	42	647120	7.771	ppbv 98
42) Bromodichloromethane	7.81	83	2393669	8.762	ppbv 100
43) Methyl Methacrylate	8.03	69	1125791	9.825	ppbv 100

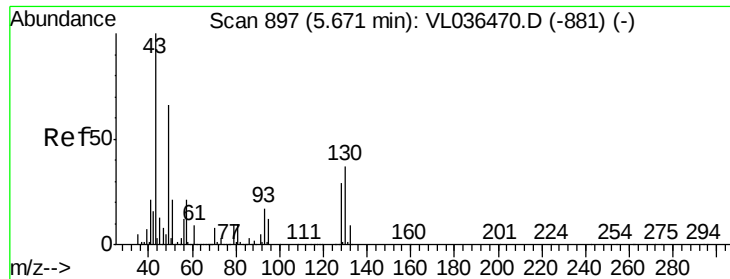
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032621\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	5012571	8.346	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1008475	7.708	ppbv	96
46) cis-1,3-Dichloropropene	8.72	75	1315439	7.865	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	1169754	8.343	ppbv	97
48) Dibromochloromethane	10.33	129	1961768	9.179	ppbv	99
49) Bromoform	13.07	173	1600112	9.292	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2211190	8.461	ppbv	100
51) 2-Hexanone	10.16	43	1210839	9.181	ppbv #	99
52) Tetrachloroethene	11.25	164	1013635	8.067	ppbv	97
53) Toluene	9.83	91	3306404	9.099	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1692220	8.547	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1363353	7.256	ppbv	97
57) Chlorobenzene	12.17	112	2430848	6.878	ppbv	99
58) Ethyl Benzene	12.74	91	4483862	7.420	ppbv	100
59) m/p-Xylene	13.01	91	3973771	7.539	ppbv #	40
60) o-Xylene	13.72	91	3544756	6.955	ppbv	99
61) Styrene	13.55	104	1954052	7.621	ppbv	100
62) Isopropylbenzene	14.69	105	4904322	7.145	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	2508272	6.451	ppbv	100
64) n-propylbenzene	15.59	120	1282537	7.643	ppbv	99
65) tert-Butylbenzene	16.77	119	2296550	3.859	ppbv #	29
66) Benzyl Chloride	17.01	91	432495	6.574	ppbv	98
67) sec-Butylbenzene	17.32	105	5939202	7.070	ppbv	100
69) p-Isopropyltoluene	17.68	119	4952948	7.550	ppbv	99
70) n-Butylbenzene	18.57	91	5097353	7.494	ppbv	100
71) 2-Chlorotoluene	15.48	91	3828078	7.443	ppbv	100
72) 4-Ethyltoluene	15.87	105	4177351	7.480	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	3770354	7.233	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	3903334	6.998	ppbv	98
75) 1,3-Dichlorobenzene	17.02	146	2208826	7.035	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	2151852	6.903	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	2146842	7.274	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1658871	6.276	ppbv	99
79) Naphthalene	22.23	128	2479366	7.617	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	282064	4.394	ppbv	97
81) 1,2,4-Trichlorobenzene	21.96	180	1551717	7.721	ppbv	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Instrument :
MSVOA_L
ClientSampled :

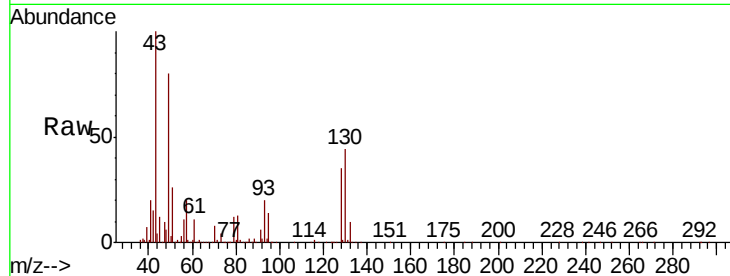
Tot Ion: 49 Resp: 1505209

Ion	Ratio	Lower	Upper
49	100		
128	48.0	23.5	70.6
130	58.1	29.1	87.4

49 100

128 48.0 23.5 70.6

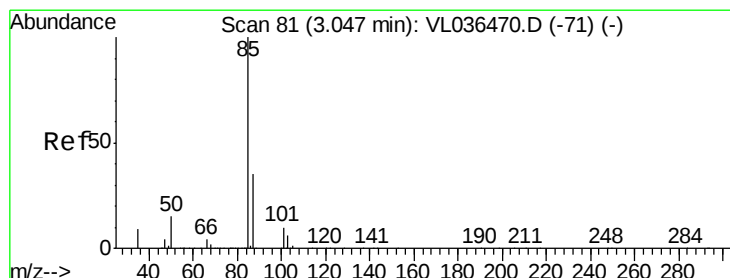
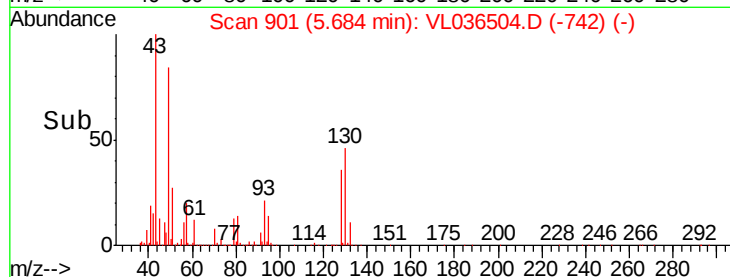
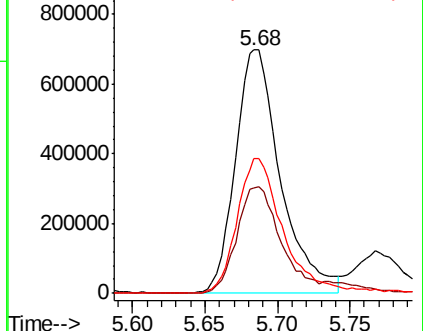
130 58.1 29.1 87.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.657 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL036504.D

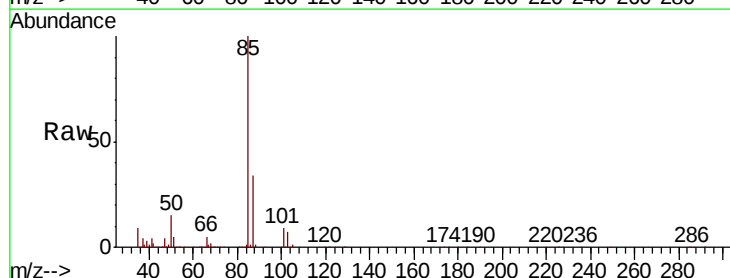
Acq: 26 Mar 2021 5:51

Tgt Ion: 85 Resp: 2125434

Ion	Ratio	Lower	Upper
85	100		
87	33.6	27.8	41.8

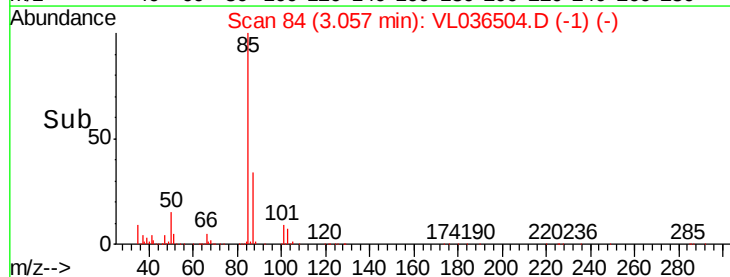
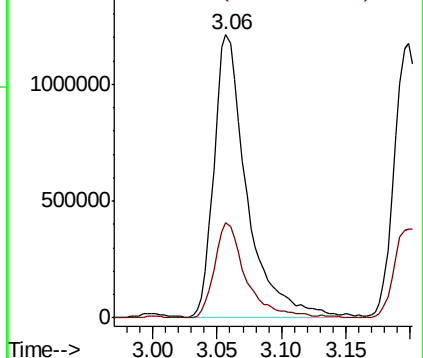
85 100

87 33.6 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.902 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Instrument :

MSVOA_L

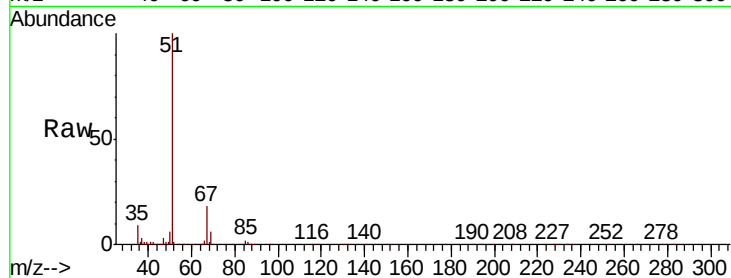
ClientSampleId :

Tot Ion: 51 Resp: 2503545

Ion Ratio Lower Upper

51 100

67 18.0 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

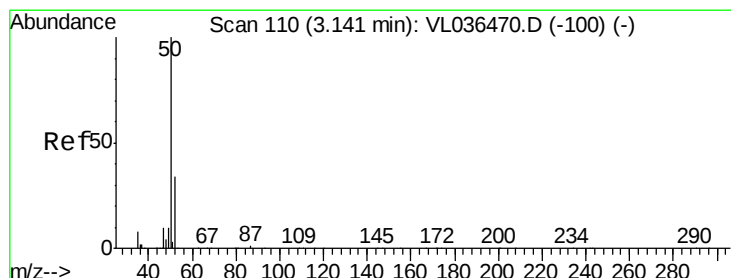
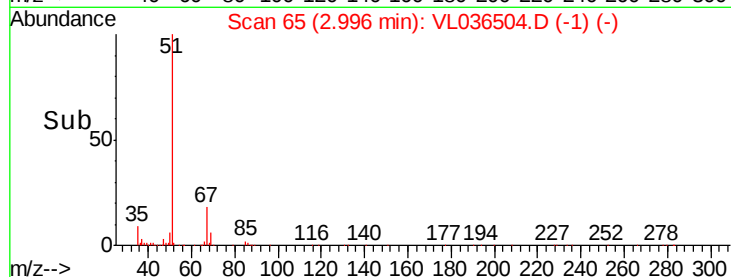
1500000

1000000

500000

0

Time-->



#4

Chloromethane

Concen: 8.575 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.01 min

Lab File: VL036504.D

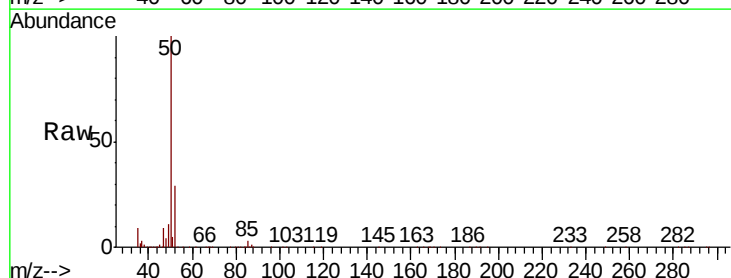
Acq: 26 Mar 2021 5:51

Tgt Ion: 50 Resp: 851830

Ion Ratio Lower Upper

50 100

52 29.4 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

500000

400000

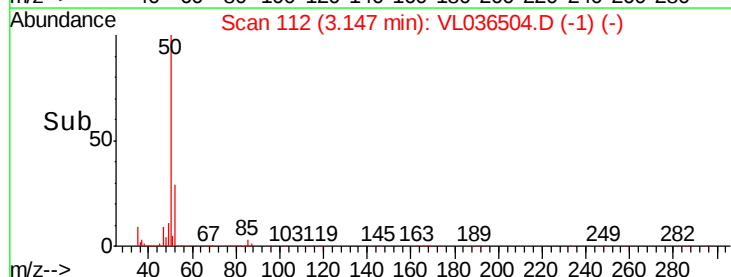
300000

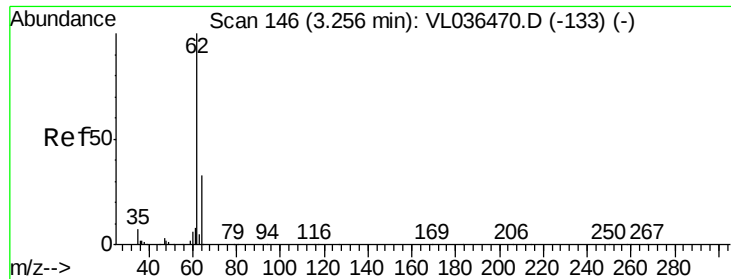
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 8.098 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Instrument :

MSVOA_L

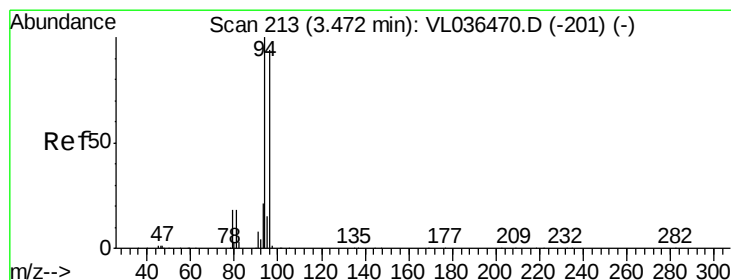
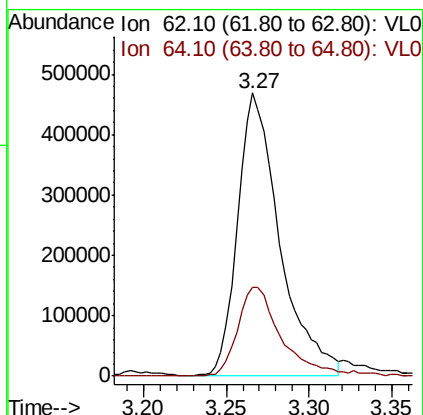
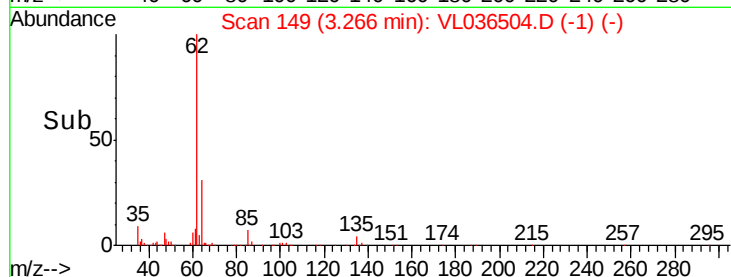
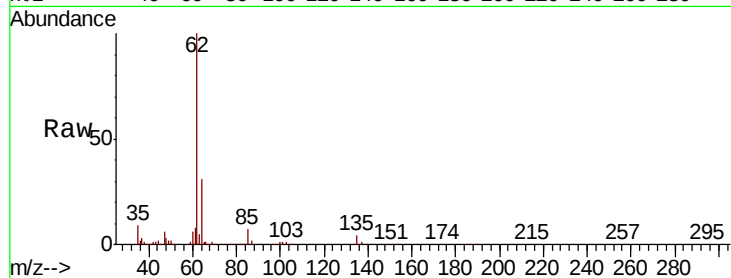
ClientSampled :

Tot Ion: 62 Resp: 827093

Ion Ratio Lower Upper

62 100

64 31.5 26.4 39.6



#6

Bromomethane

Concen: 8.711 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.01 min

Lab File: VL036504.D

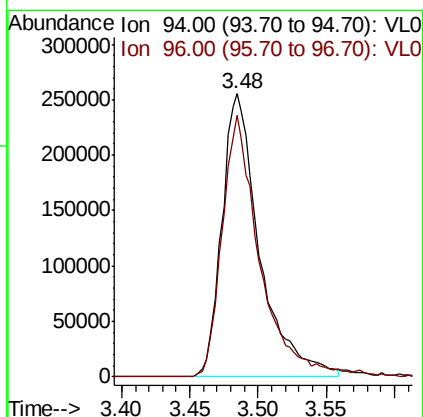
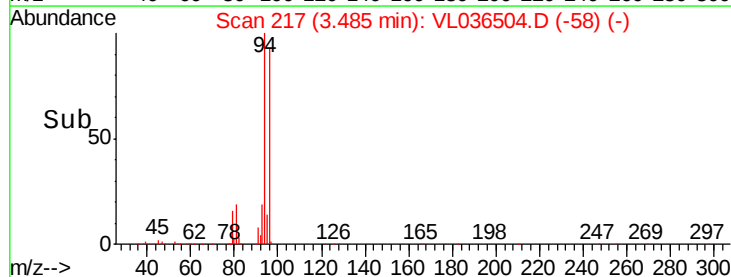
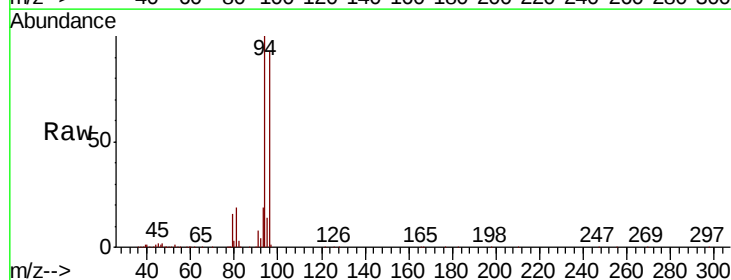
Acq: 26 Mar 2021 5:51

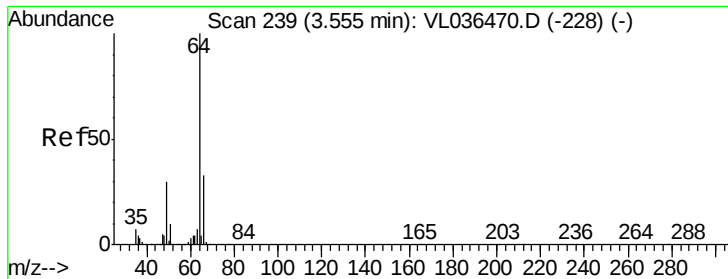
Tgt Ion: 94 Resp: 489858

Ion Ratio Lower Upper

94 100

96 92.6 74.9 112.3





#7

Chloroethane

Concen: 8.766 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.01 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Instrument :

MSVOA_L

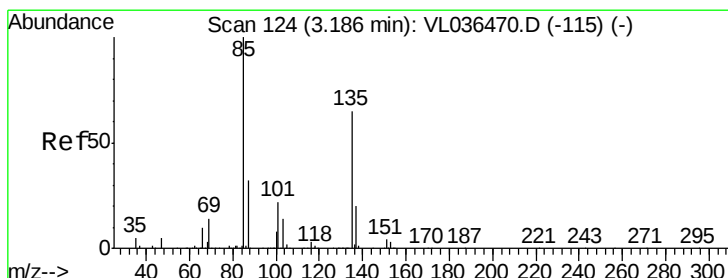
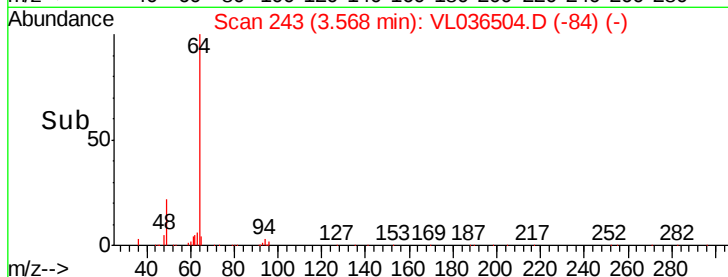
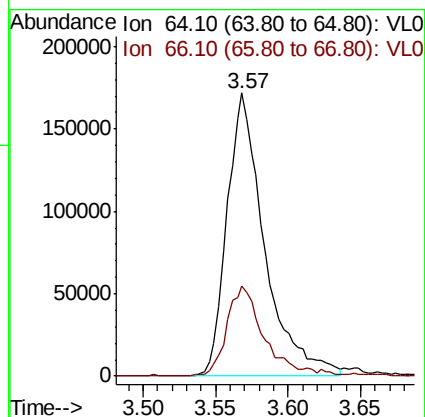
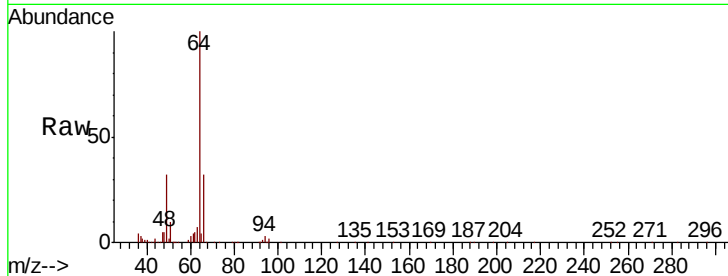
ClientSampleId :

Tot Ion: 64 Resp: 307663

Ion Ratio Lower Upper

64 100

66 31.7 26.2 39.2



#8

Dichlorotetrafluoroethane

Concen: 8.501 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.01 min

Lab File: VL036504.D

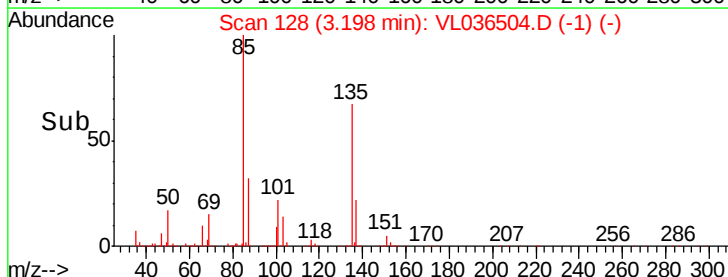
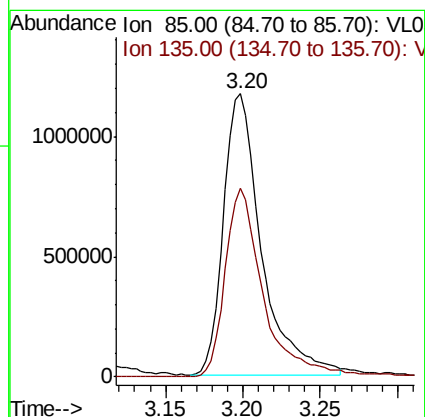
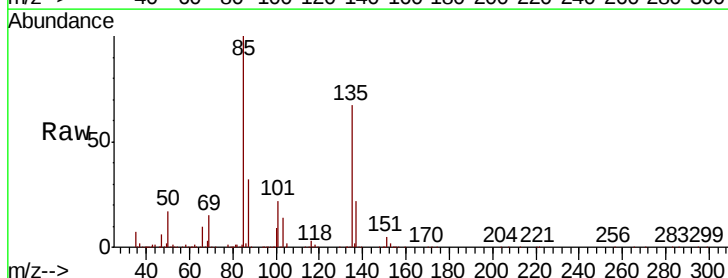
Acq: 26 Mar 2021 5:51

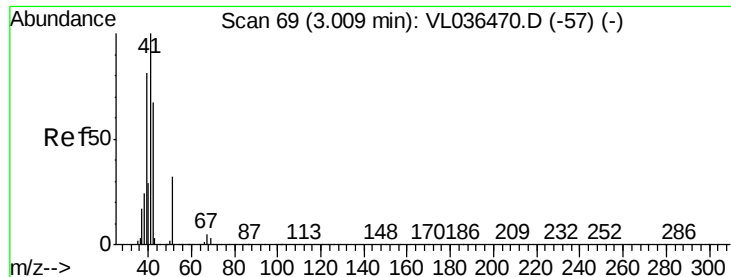
Tgt Ion: 85 Resp: 1991932

Ion Ratio Lower Upper

85 100

135 68.5 54.3 81.5





#9

Propene

Concen: 8.777 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Instrument :

MSVOA_L

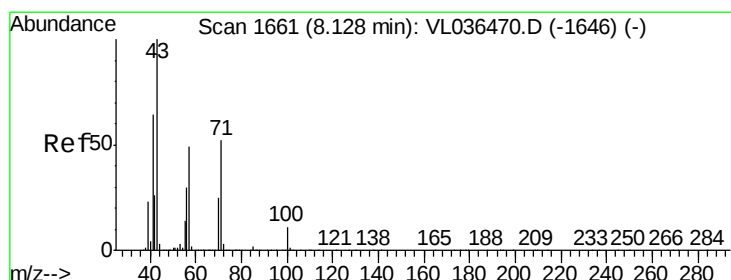
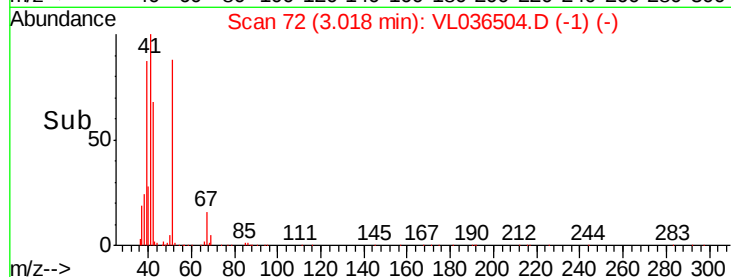
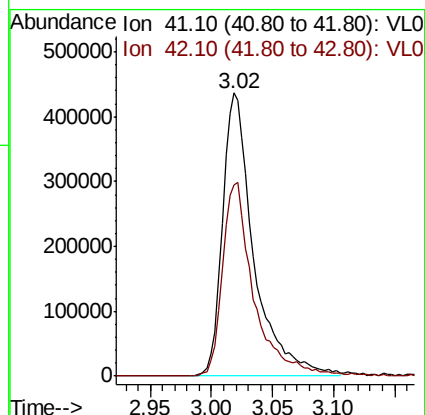
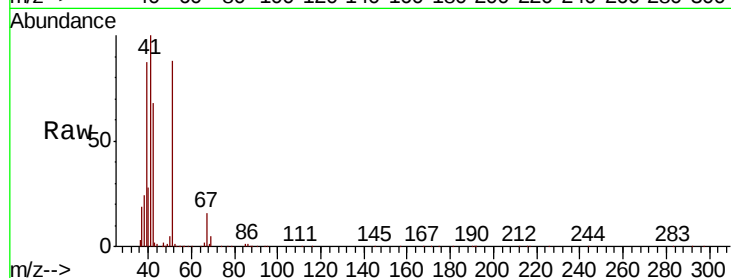
ClientSampleId :

Tot Ion: 41 Resp: 786877

Ion Ratio Lower Upper

41 100

42 69.2 57.0 85.4



#10

Heptane

Concen: 8.962 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. 0.02 min

Lab File: VL036504.D

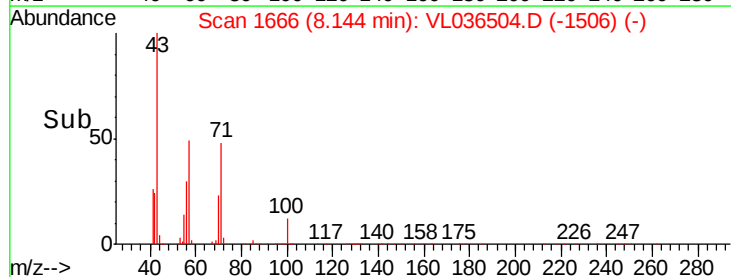
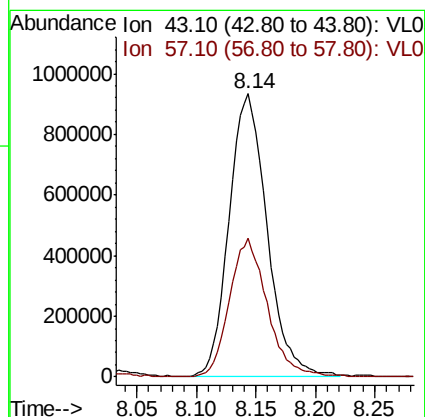
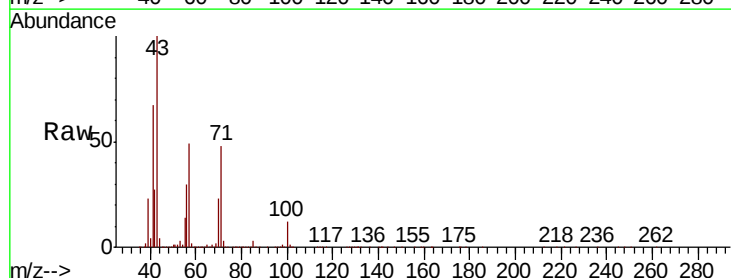
Acq: 26 Mar 2021 5:51

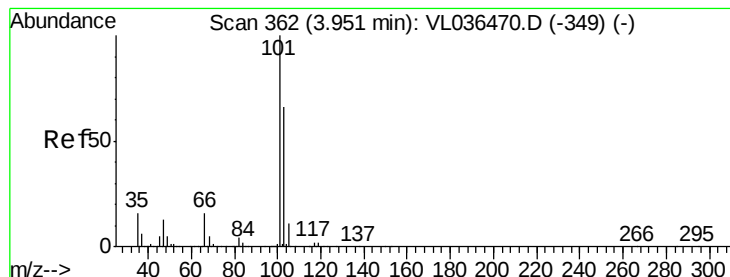
Tgt Ion: 43 Resp: 2047004

Ion Ratio Lower Upper

43 100

57 49.3 39.0 58.6





#11

Trichlorofluoromethane

Concen: 8.749 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Instrument :

MSVOA_L

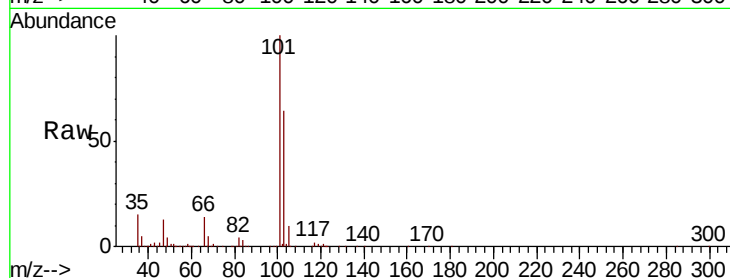
ClientSampleId :

Tot Ion:101 Resp: 2189024

Ion Ratio Lower Upper

101 100

103 63.9 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.96

1200000

1000000

800000

600000

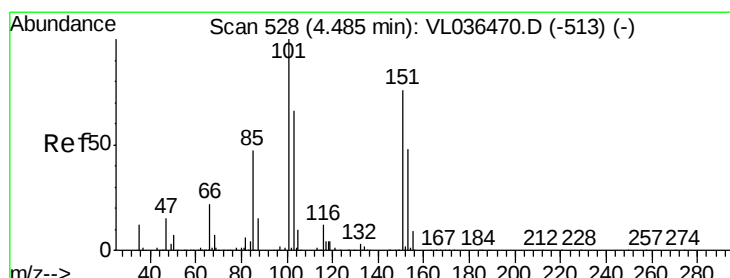
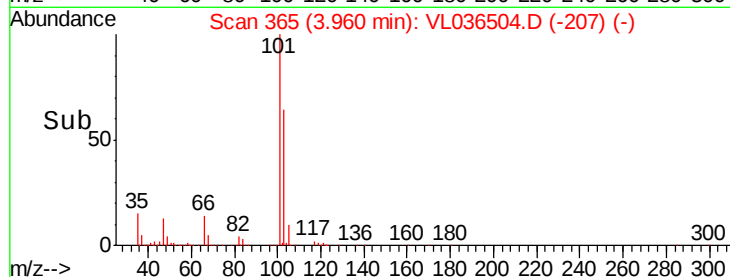
400000

200000

0

3.90 4.00 4.10

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.935 ppbv

RT: 4.50 min Scan# 533

Delta R.T. 0.02 min

Lab File: VL036504.D

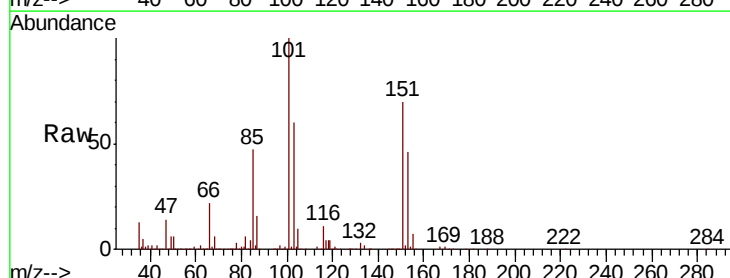
Acq: 26 Mar 2021 5:51

Tgt Ion:101 Resp: 1429221

Ion Ratio Lower Upper

101 100

151 73.5 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.50

800000

600000

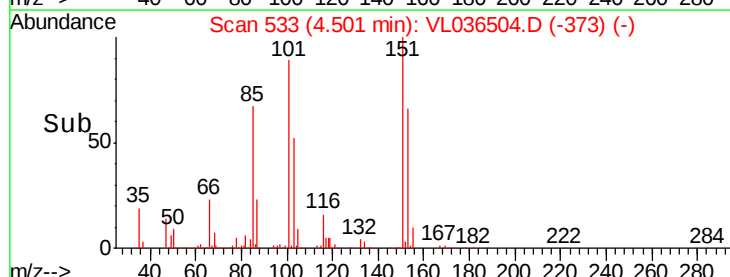
400000

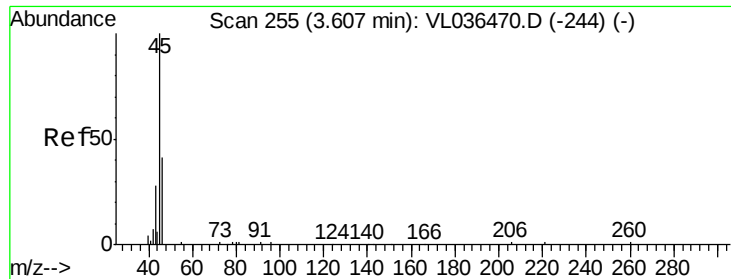
200000

0

4.40 4.45 4.50 4.55 4.60

Time-->





#13

Ethanol

Concen: 5.961 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.01 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Instrument :

MSVOA_L

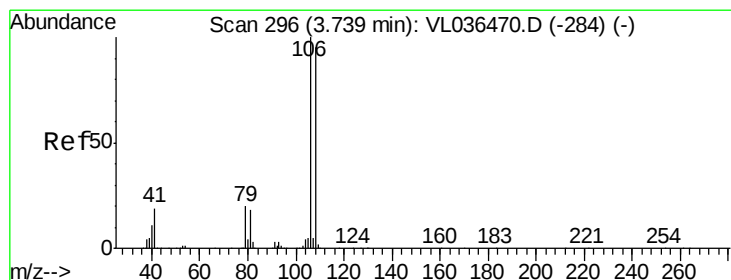
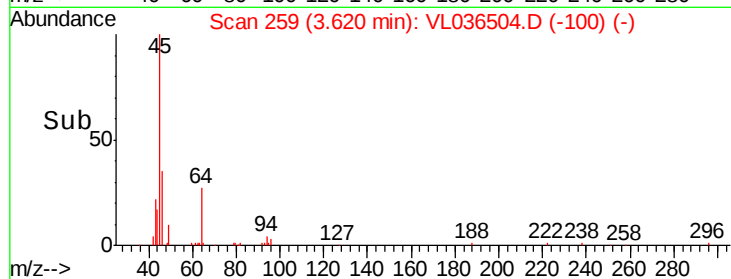
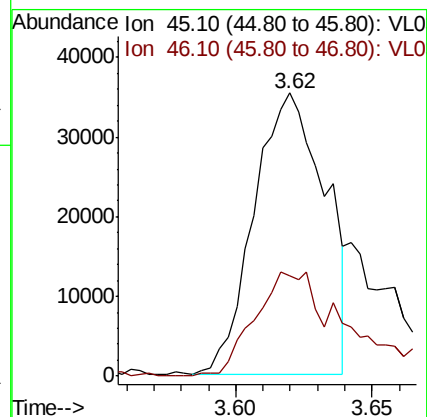
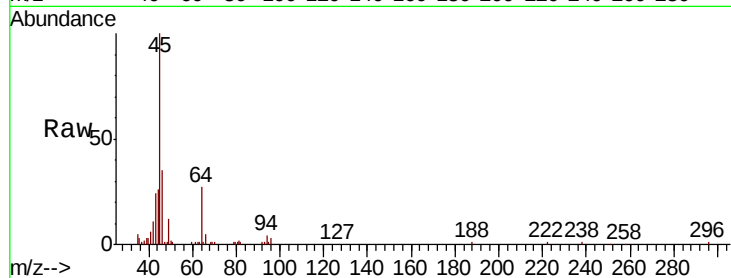
ClientSampleId :

Tot Ion: 45 Resp: 63639

Ion Ratio Lower Upper

45 100

46 57.8 16.6 66.2



#14

Bromoethene

Concen: 8.805 ppbv

RT: 3.75 min Scan# 299

Delta R.T. 0.01 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

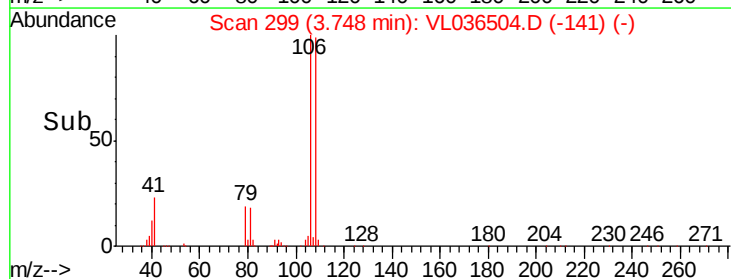
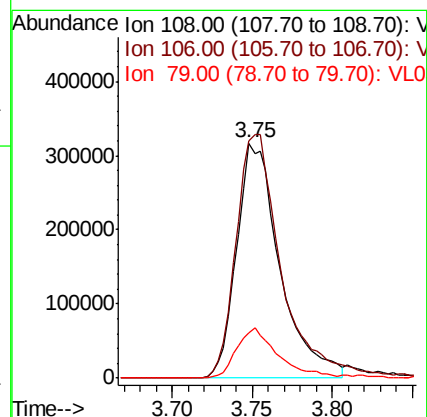
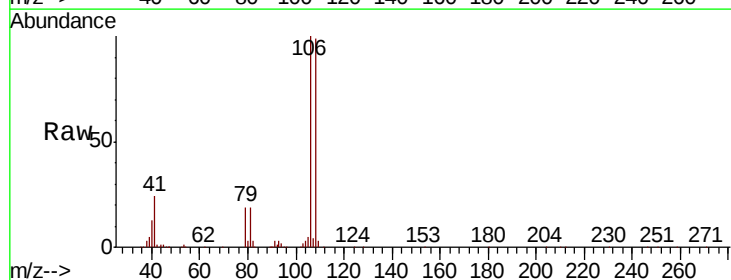
Tgt Ion: 108 Resp: 585549

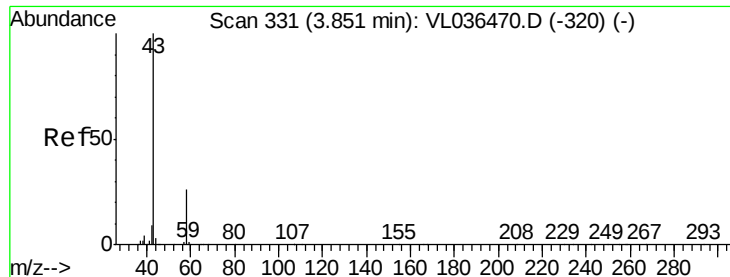
Ion Ratio Lower Upper

108 100

106 109.6 89.0 133.6

79 21.3 16.6 25.0





#15

Acetone

Concen: 7.962 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.01 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Instrument :

MSVOA_L

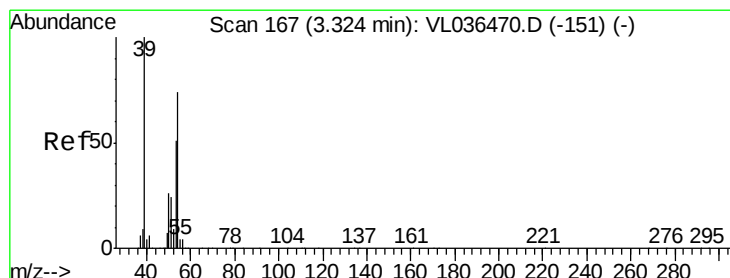
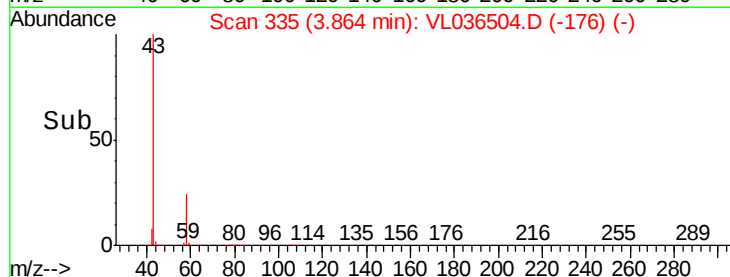
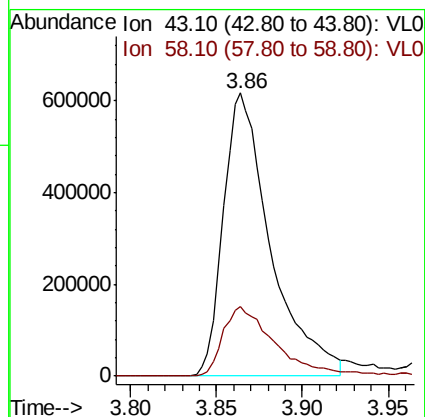
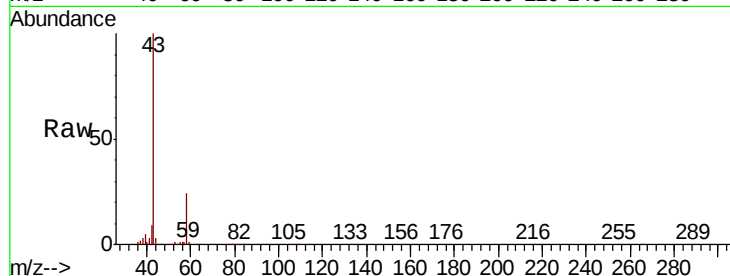
ClientSampleId :

Tot Ion: 43 Resp: 1179551

Ion Ratio Lower Upper

43 100

58 28.3 21.2 31.8



#16

1,3-Butadiene

Concen: 8.838 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.01 min

Lab File: VL036504.D

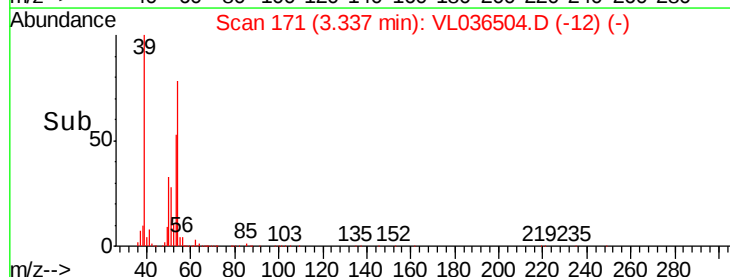
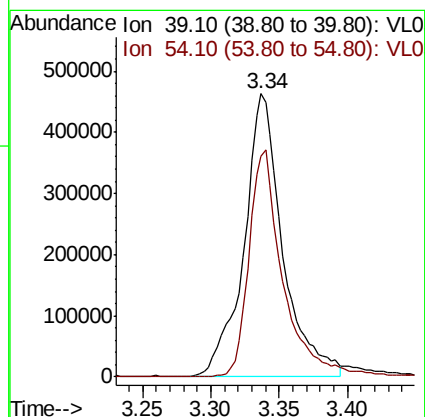
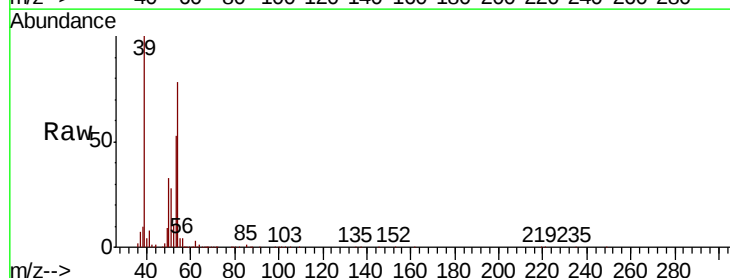
Acq: 26 Mar 2021 5:51

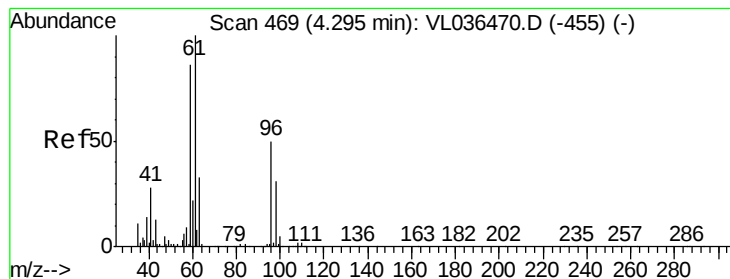
Tgt Ion: 39 Resp: 911530

Ion Ratio Lower Upper

39 100

54 71.4 58.8 88.2



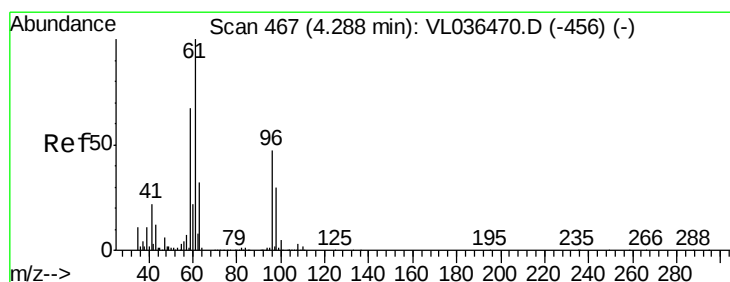
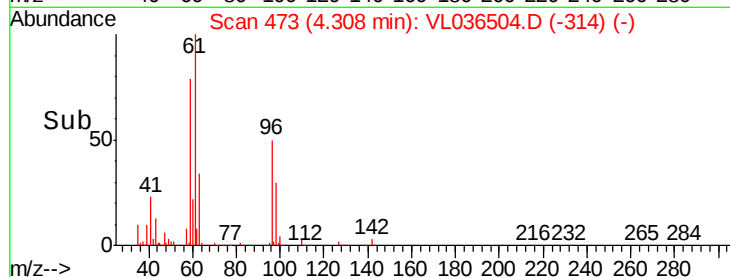
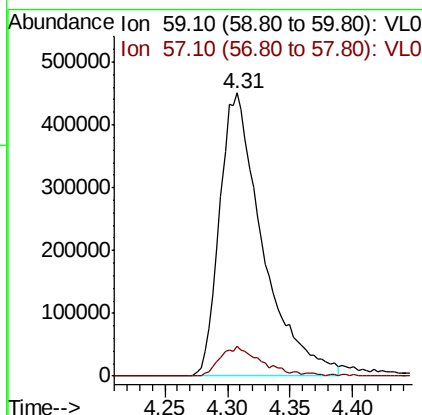
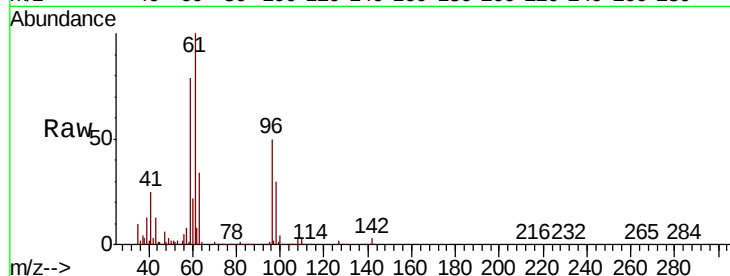


#17

tert-Butyl alcohol
Concen: 8.298 ppbv
RT: 4.31 min Scan# 473
Delta R.T. 0.01 min
Lab File: VL036504.D
Acq: 26 Mar 2021 5:51

Instrument :
MSVOA_L
ClientSampleId :

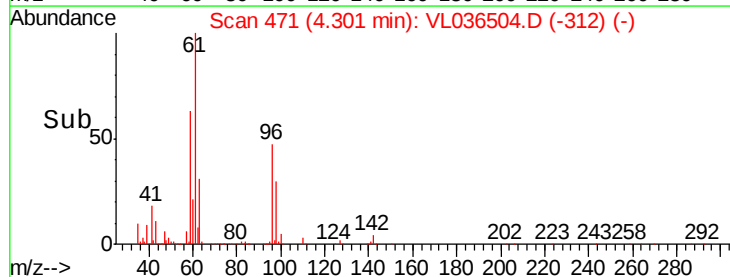
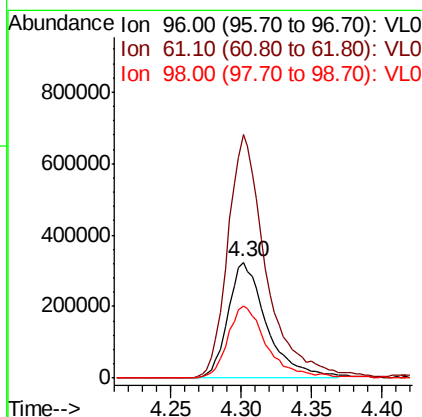
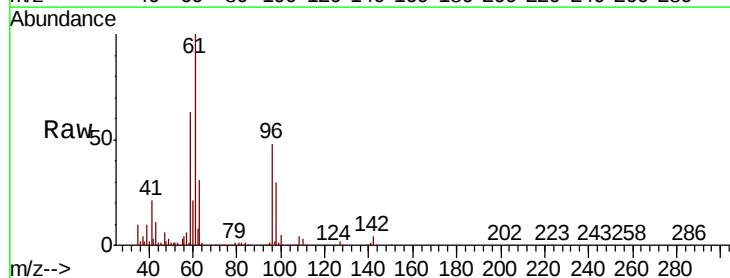
Tot Ion: 59 Resp: 1070145
Ion Ratio Lower Upper
59 100
57 11.1 8.6 12.8

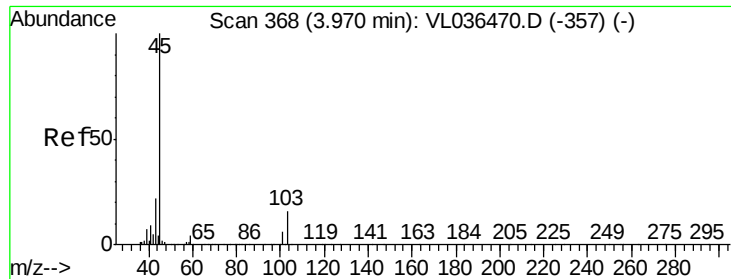


#18

1,1-Dichloroethene
Concen: 8.722 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL036504.D
Acq: 26 Mar 2021 5:51

Tgt Ion: 96 Resp: 620617
Ion Ratio Lower Upper
96 100
61 210.6 168.6 253.0
98 62.9 50.8 76.2





#19

Isopropyl Alcohol

Concen: 7.345 ppbv

RT: 3.98 min Scan# 372

Delta R.T. 0.01 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Instrument :

MSVOA_L

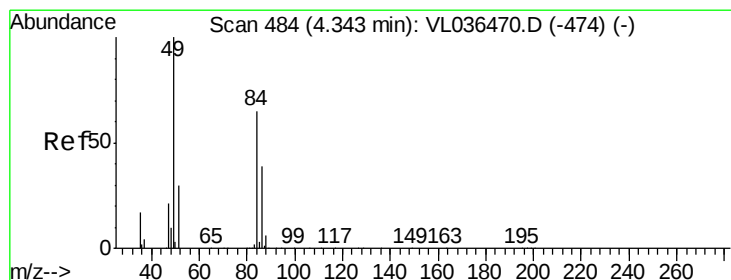
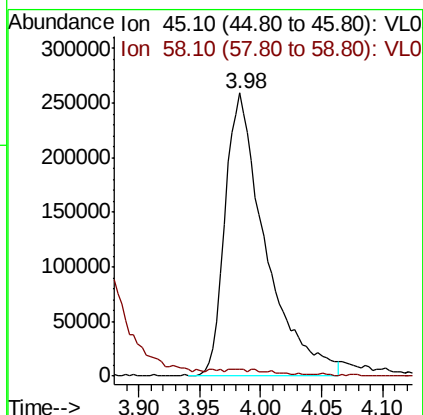
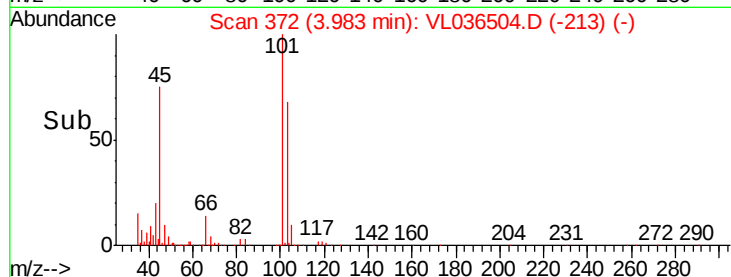
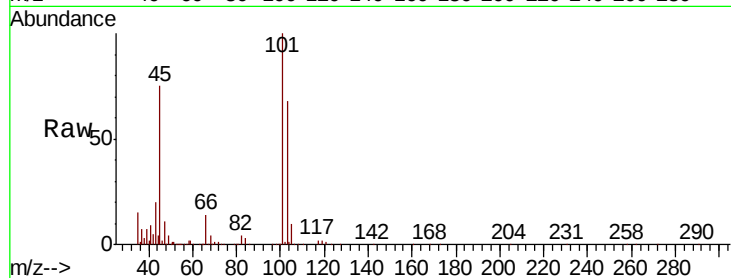
ClientSampled :

Tot Ion: 45 Resp: 598570

Ion Ratio Lower Upper

45 100

58 58.2 2.9 4.3#



#20

Methylene Chloride

Concen: 8.072 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.01 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Tgt Ion: 84 Resp: 559868

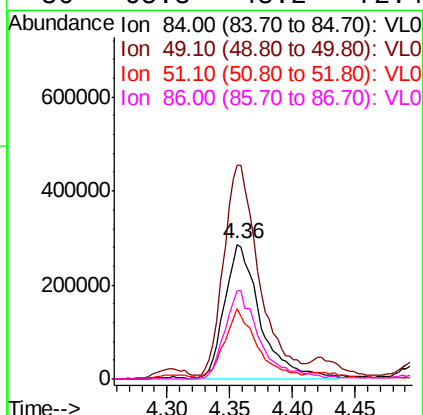
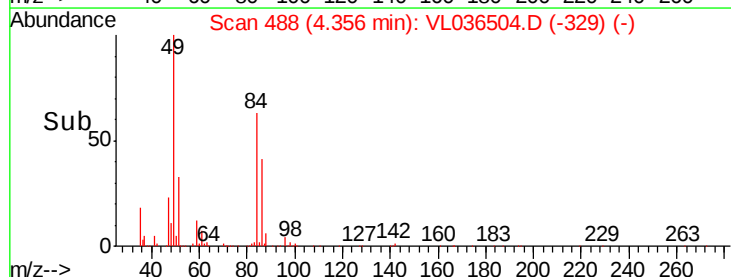
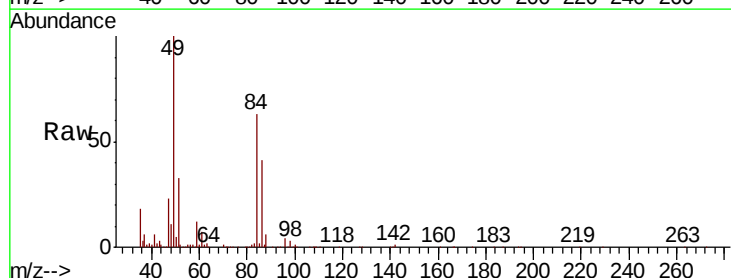
Ion Ratio Lower Upper

84 100

49 155.8 122.9 184.3

51 50.4 36.9 55.3

86 65.8 48.2 72.4

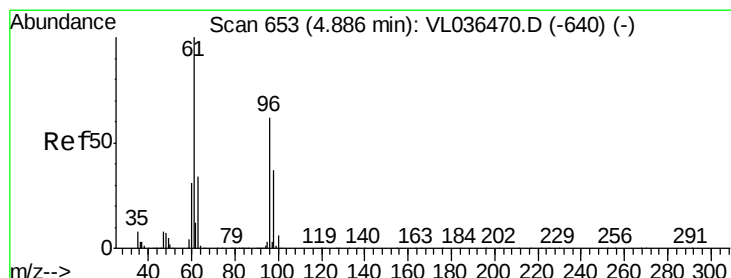
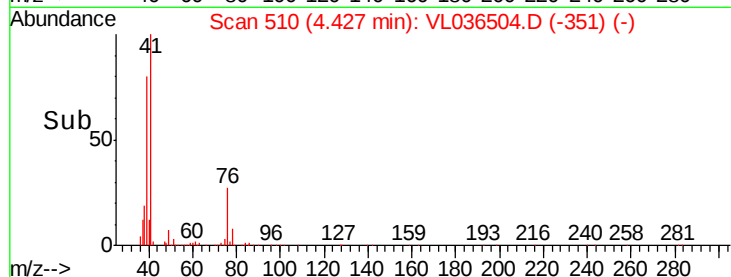
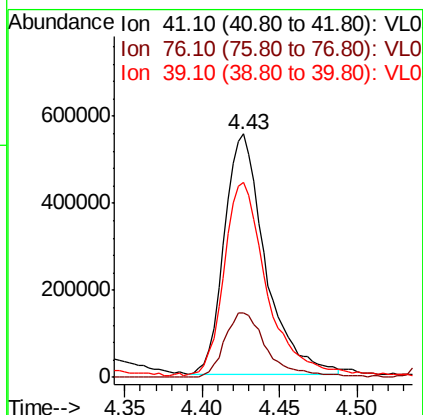
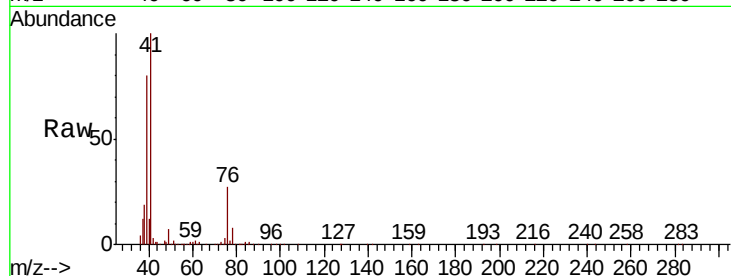




#21
Allvl Chloride
Concen: 8.564 ppbv
RT: 4.43 min Scan# 510
Delta R.T. 0.01 min
Lab File: VL036504.D
Acq: 26 Mar 2021 5:51

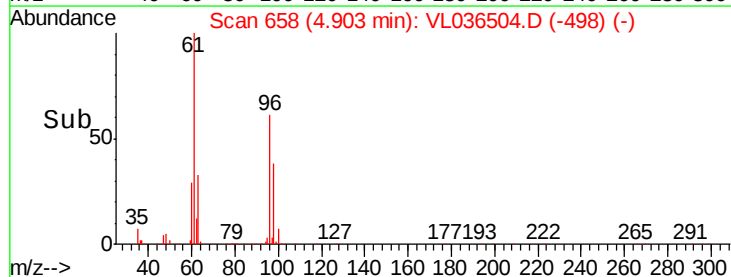
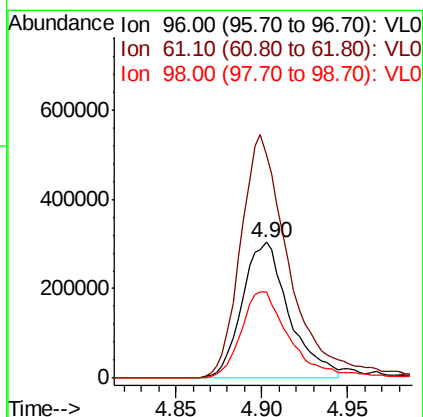
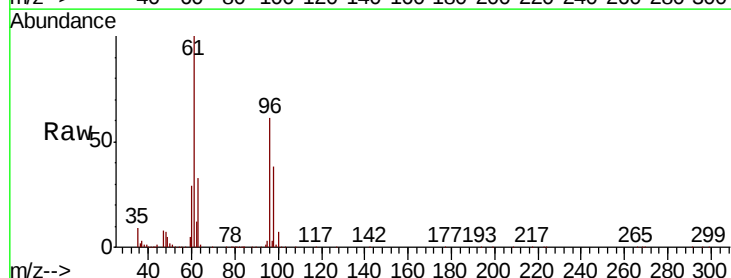
Instrument :
MSVOA_L
ClientSampled :

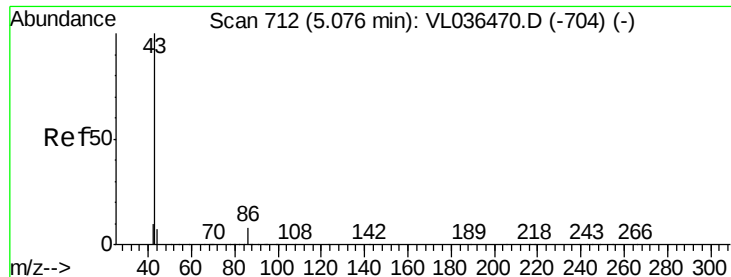
Tot Ion: 41 Resp: 1011347
Ion Ratio Lower Upper
41 100
76 28.5 22.9 34.3
39 85.6 67.3 100.9



#22
trans-1,2-Dichloroethene
Concen: 8.736 ppbv
RT: 4.90 min Scan# 658
Delta R.T. 0.02 min
Lab File: VL036504.D
Acq: 26 Mar 2021 5:51

Tgt Ion: 96 Resp: 576283
Ion Ratio Lower Upper
96 100
61 164.4 129.4 194.0
98 63.2 48.2 72.4



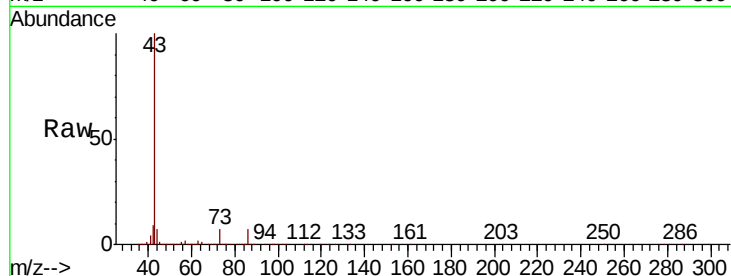


#23
 Vinyl Acetate
 Concen: 8.798 ppbv
 RT: 5.09 min Scan# 717
 Delta R.T. 0.02 min
 Lab File: VL036504.D
 Acq: 26 Mar 2021 5:51

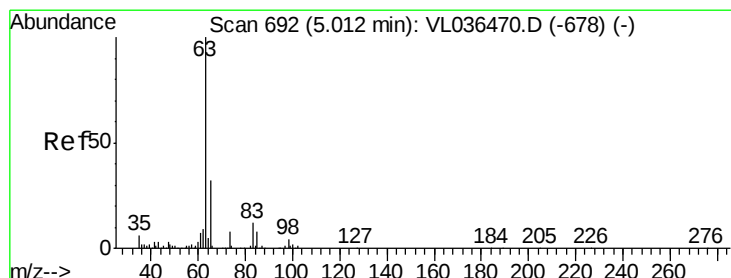
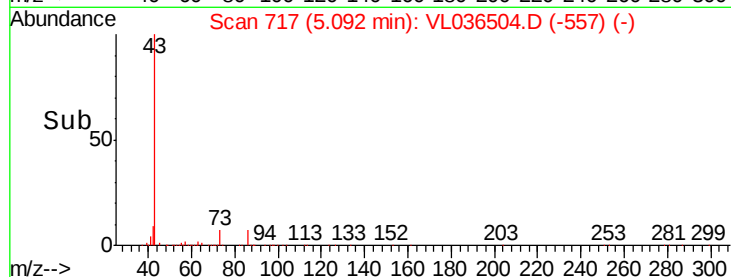
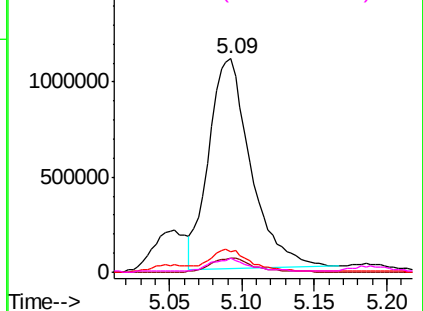
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 2229521

Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.4	8.0
42	9.1	8.5	12.7
44	6.1	4.6	7.0



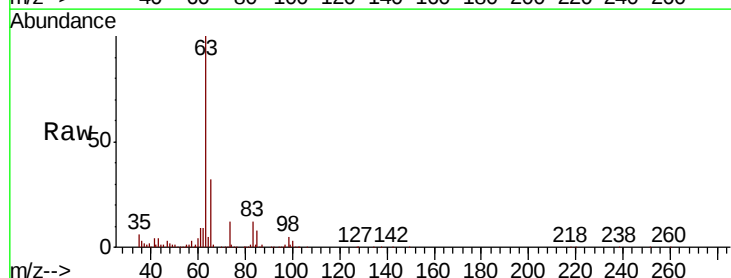
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



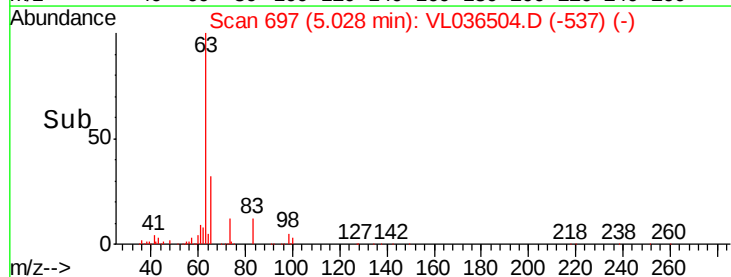
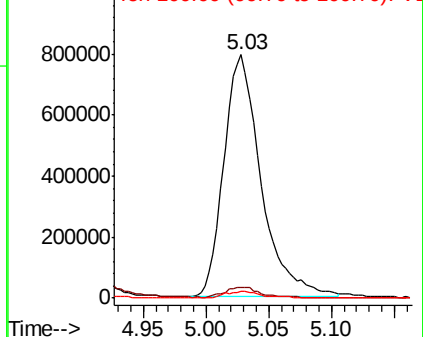
#24
 1,1-Dichloroethane
 Concen: 8.876 ppbv
 RT: 5.03 min Scan# 697
 Delta R.T. 0.02 min
 Lab File: VL036504.D
 Acq: 26 Mar 2021 5:51

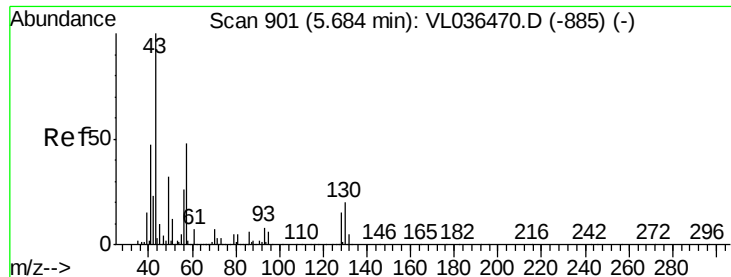
Tgt Ion: 63 Resp: 1639425

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.1	6.2
100	2.8	0.9	2.8



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0

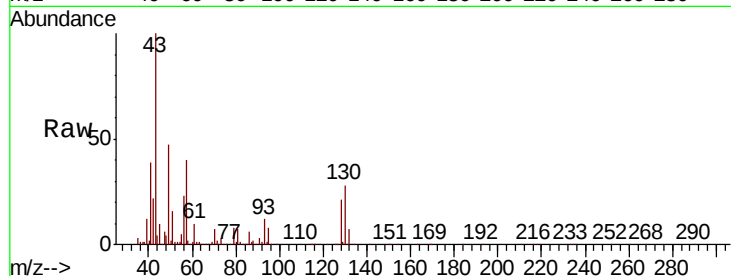




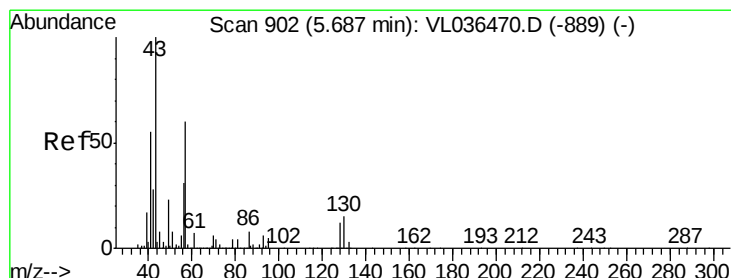
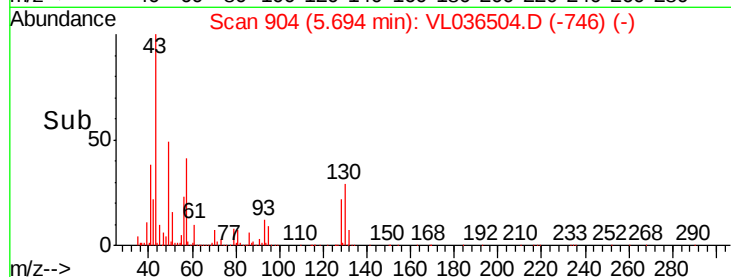
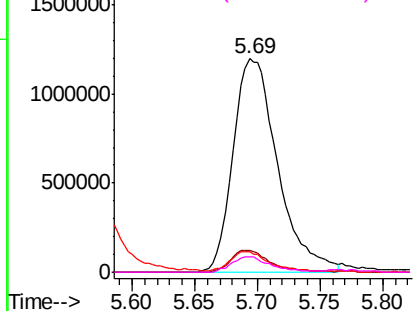
#25
Ethyl Acetate
Concen: 8.356 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL036504.D
Acq: 26 Mar 2021 5:51

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2943133
Ion Ratio Lower Upper
43 100
45 9.7 7.9 11.9
61 8.5 7.4 11.2
70 6.4 5.1 7.7

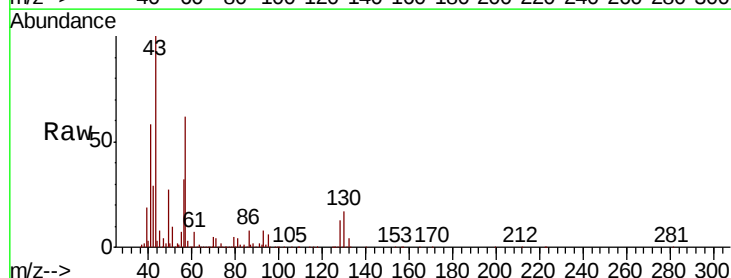


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

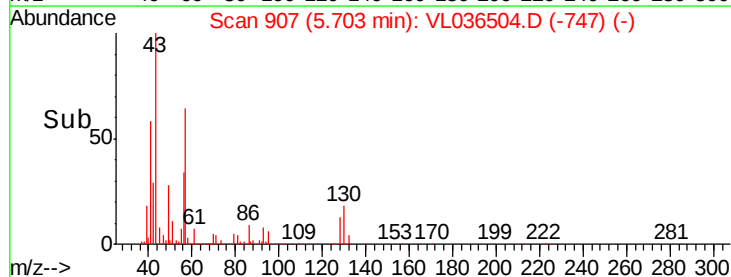
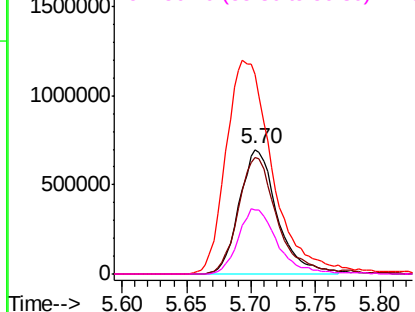


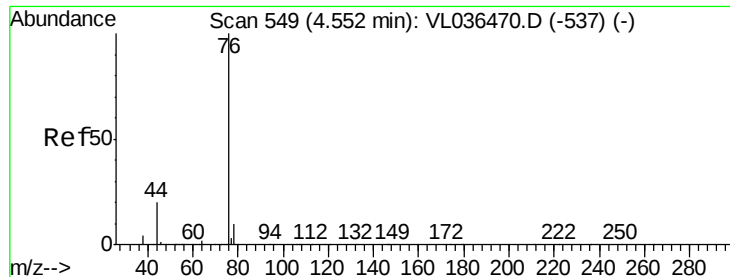
#26
Hexane
Concen: 8.756 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.02 min
Lab File: VL036504.D
Acq: 26 Mar 2021 5:51

Tgt Ion: 57 Resp: 1431074
Ion Ratio Lower Upper
57 100
41 97.8 77.2 115.8
43 212.0 173.8 260.6
56 54.5 43.8 65.6



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.701 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.01 min

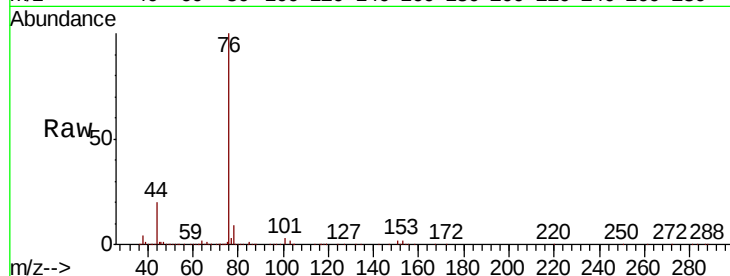
Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 76 Resp: 1562042

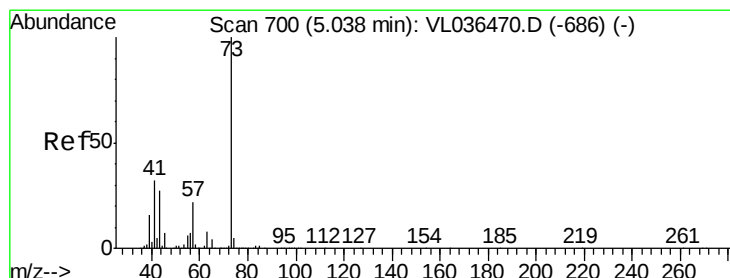
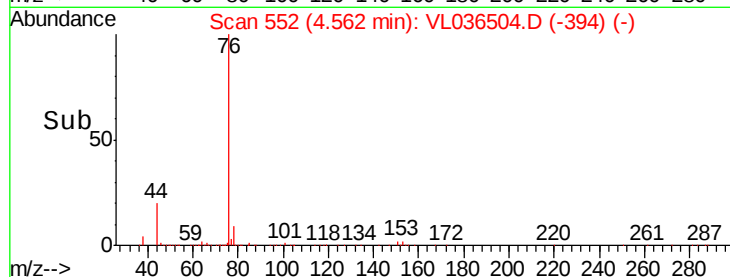
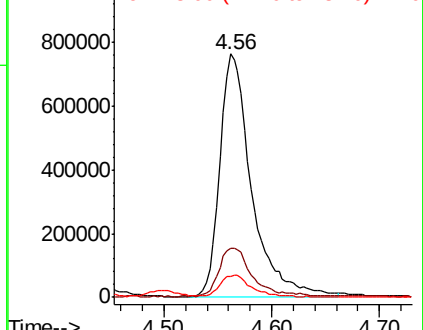
Ion	Ratio	Lower	Upper
76	100		
44	22.1	17.5	26.3
78	9.6	8.6	13.0



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 8.467 ppbv

RT: 5.05 min Scan# 705

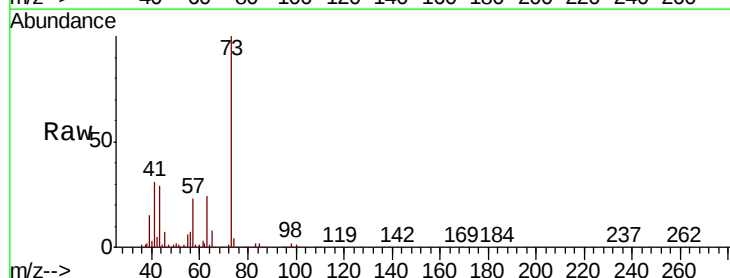
Delta R.T. 0.02 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

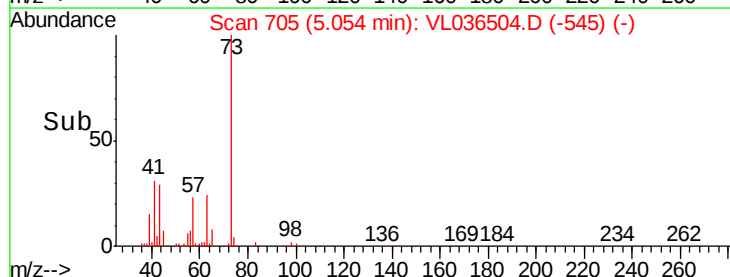
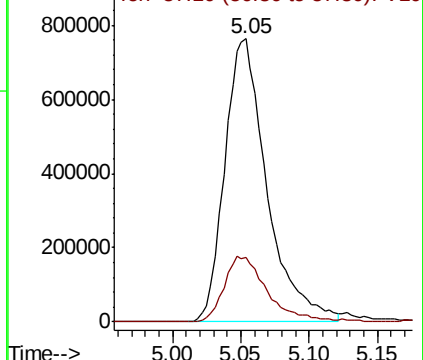
Tgt Ion: 73 Resp: 1631983

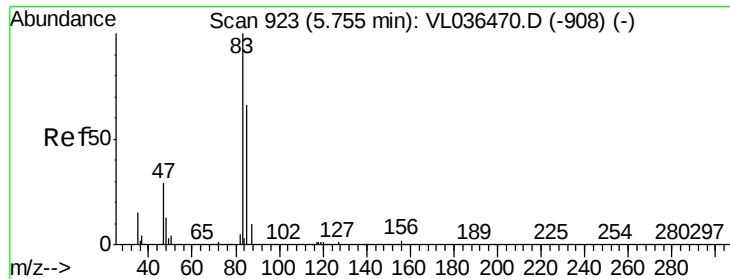
Ion	Ratio	Lower	Upper
73	100		
57	24.0	18.5	27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

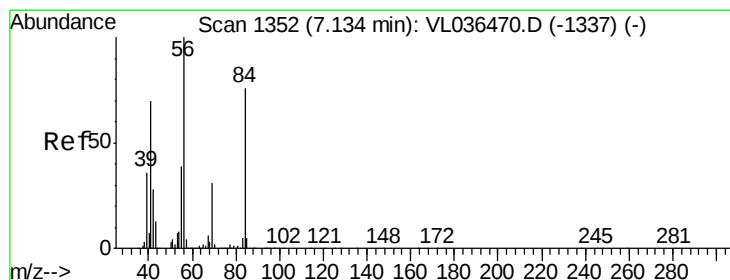
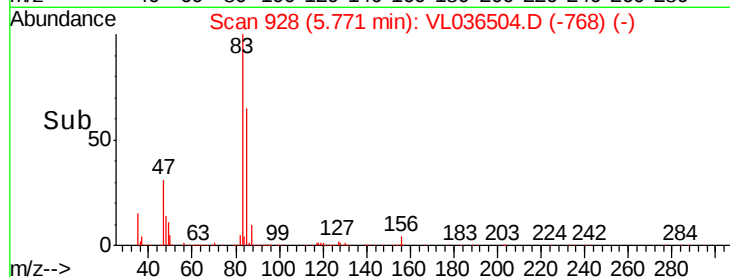
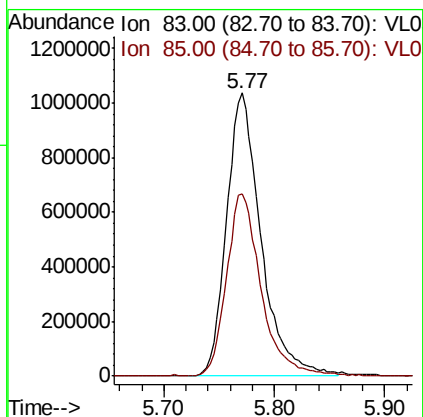
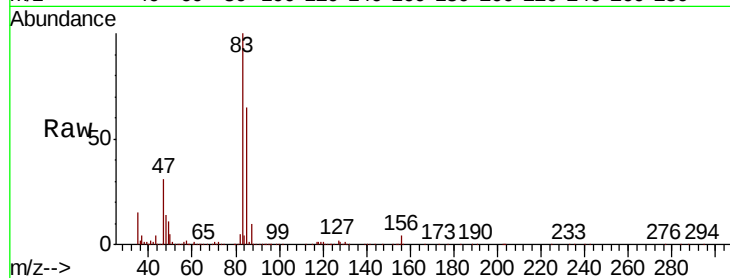




#29
Chloroform
Concen: 8.594 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.02 min
Lab File: VL036504.D
Acq: 26 Mar 2021 5:51

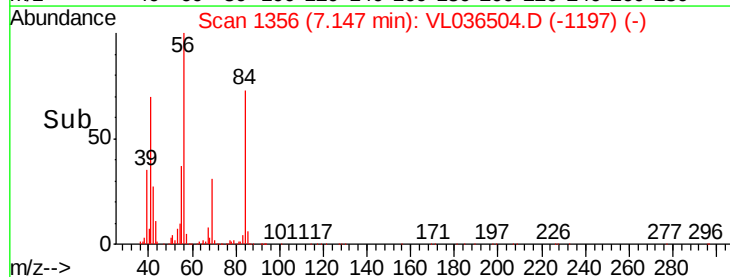
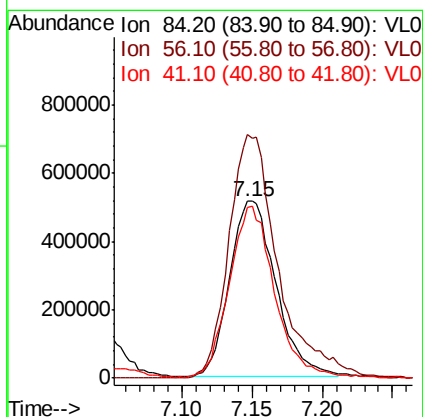
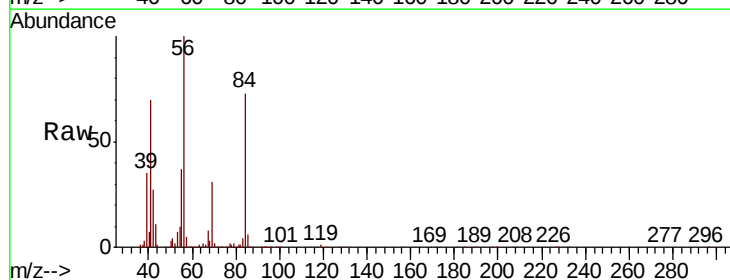
Instrument :
MSVOA_L
ClientSampled :

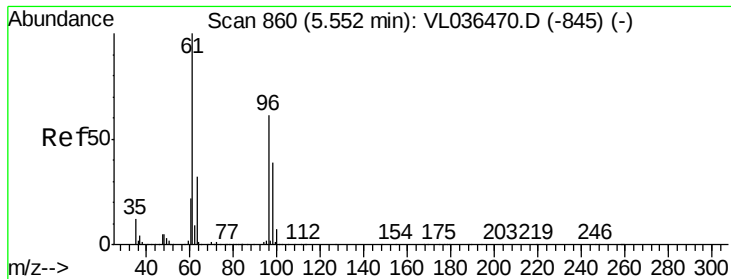
Tot Ion: 83 Resp: 2246430
Ion Ratio Lower Upper
83 100
85 64.4 52.6 78.8



#30
Cyclohexane
Concen: 8.882 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.01 min
Lab File: VL036504.D
Acq: 26 Mar 2021 5:51

Tgt Ion: 84 Resp: 1177391
Ion Ratio Lower Upper
84 100
56 149.4 114.6 171.8
41 97.2 75.3 112.9



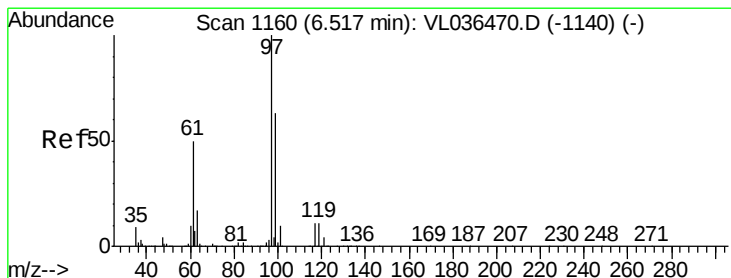
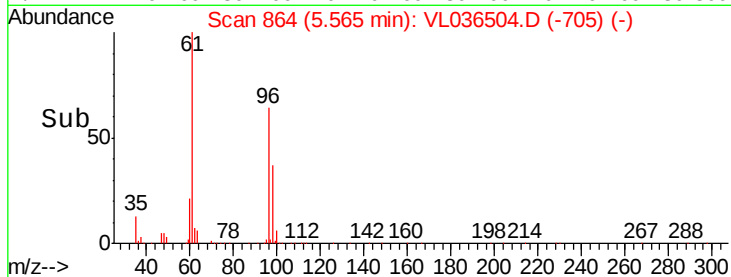
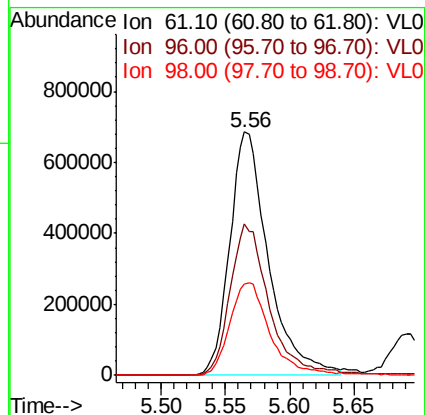
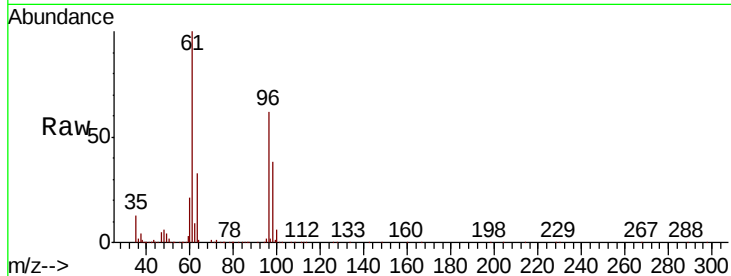


#31

cis-1,2-Dichloroethene
 Concen: 9.004 ppbv
 RT: 5.56 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VL036504.D
 Acq: 26 Mar 2021 5:51

Instrument :
 MSVOA_L
 ClientSampled :

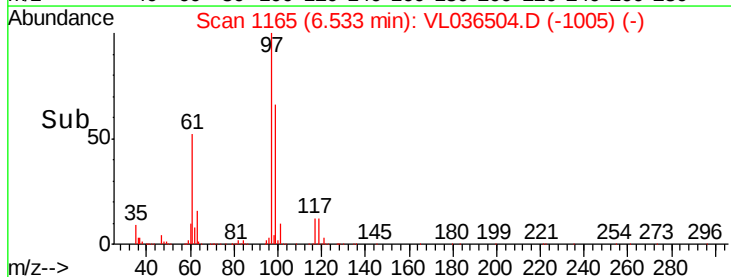
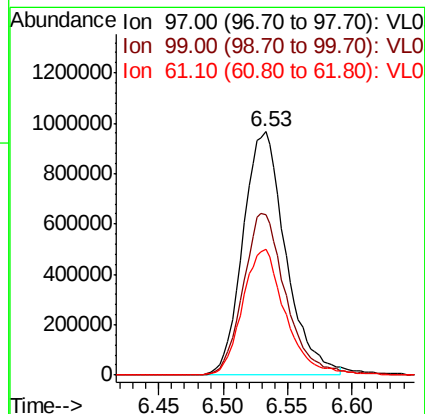
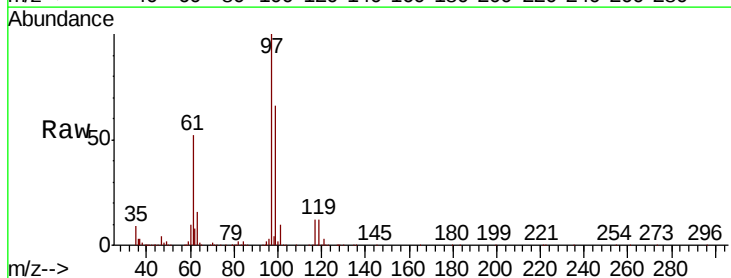
Tot Ion: 61 Resp: 1423375
 Ion Ratio Lower Upper
 61 100
 96 62.2 48.7 73.1
 98 37.7 31.4 47.0

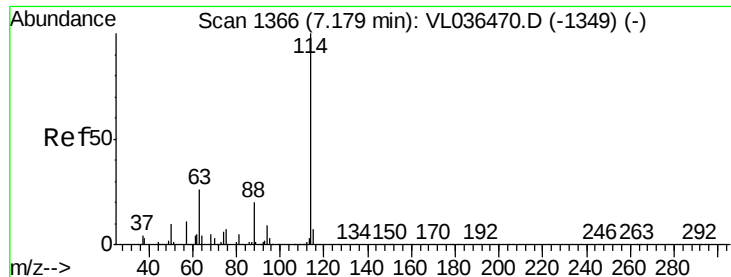


#32

1,1,1-Trichloroethane
 Concen: 8.460 ppbv
 RT: 6.53 min Scan# 1165
 Delta R.T. 0.02 min
 Lab File: VL036504.D
 Acq: 26 Mar 2021 5:51

Tgt Ion: 97 Resp: 2228674
 Ion Ratio Lower Upper
 97 100
 99 66.6 51.4 77.0
 61 52.4 40.6 60.8



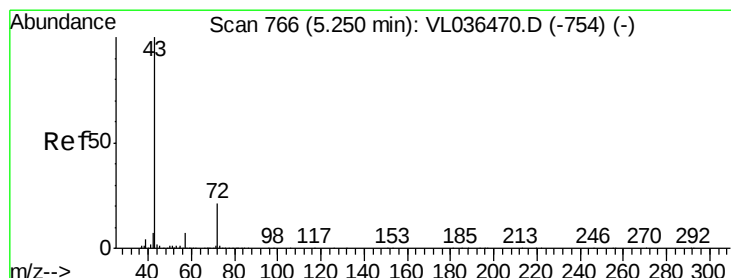
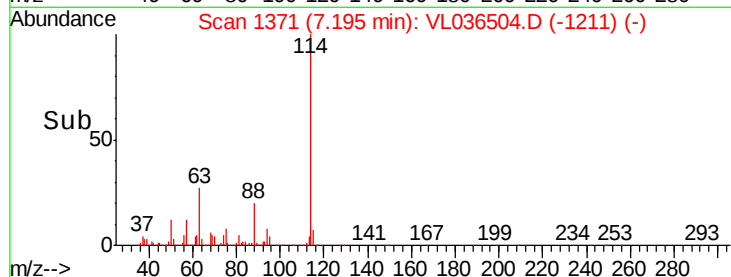
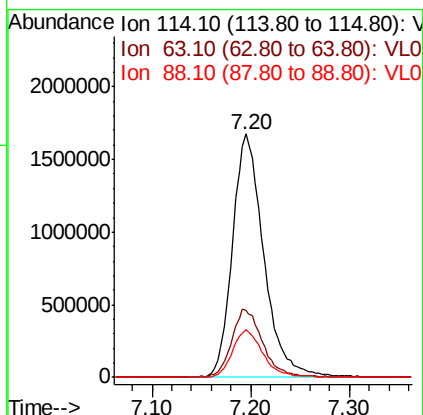
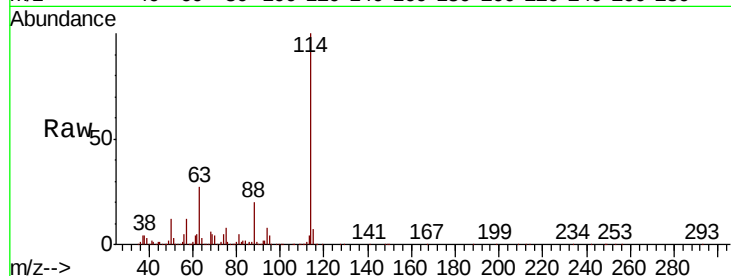


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. 0.02 min
 Lab File: VL036504.D
 Acq: 26 Mar 2021 5:51

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3699962

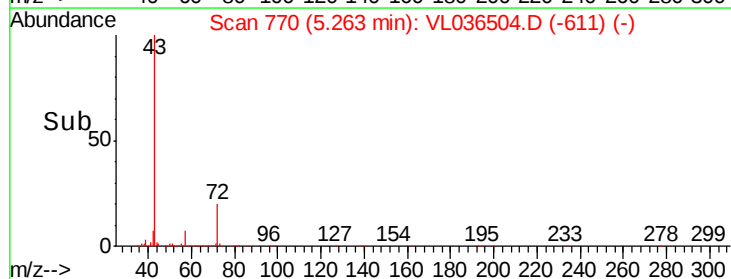
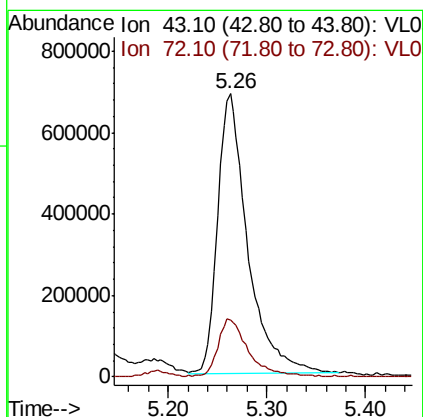
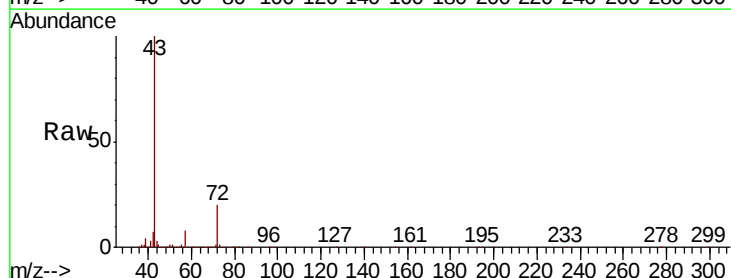
Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.4	33.6
88	19.2	15.4	23.0

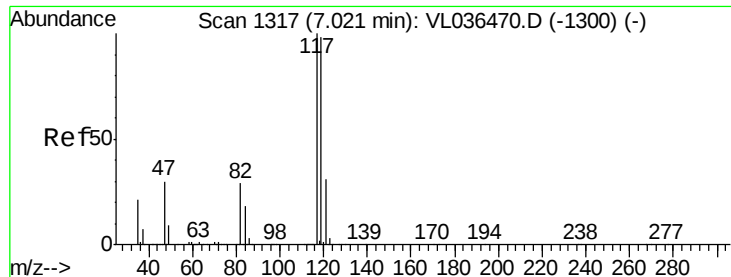


#34
 2-Butanone
 Concen: 8.154 ppbv
 RT: 5.26 min Scan# 770
 Delta R.T. 0.01 min
 Lab File: VL036504.D
 Acq: 26 Mar 2021 5:51

Tgt Ion: 43 Resp: 1472660

Ion	Ratio	Lower	Upper
43	100		
72	21.3	17.0	25.6





#35

Carbon Tetrachloride

Concen: 8.261 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.02 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

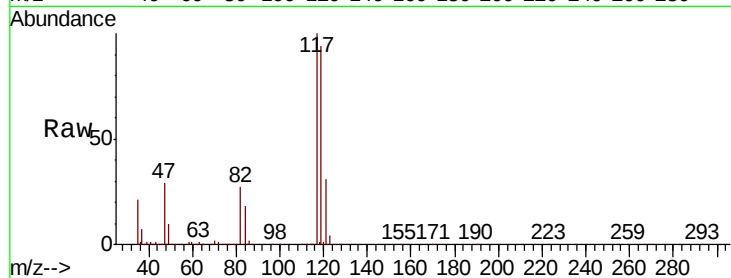
Instrument :

MSVOA_L

ClientSampled :

Tot Ion:117 Resp: 2347610

Ion	Ratio	Lower	Upper
117	100		
119	94.1	78.2	117.2
121	30.7	24.5	36.7

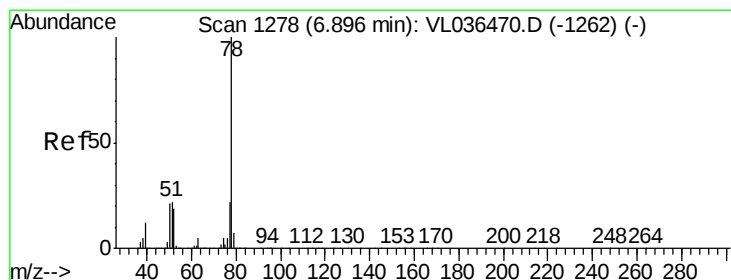
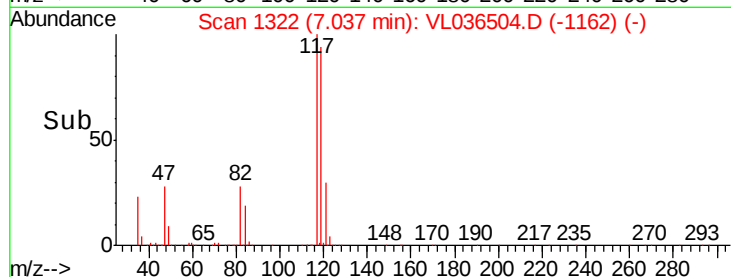
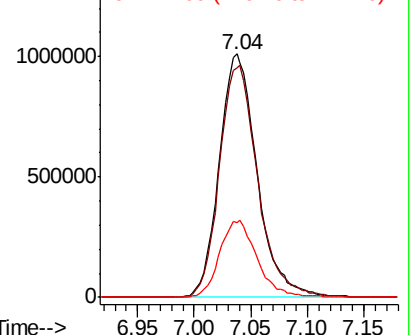


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.658 ppbv

RT: 6.91 min Scan# 1283

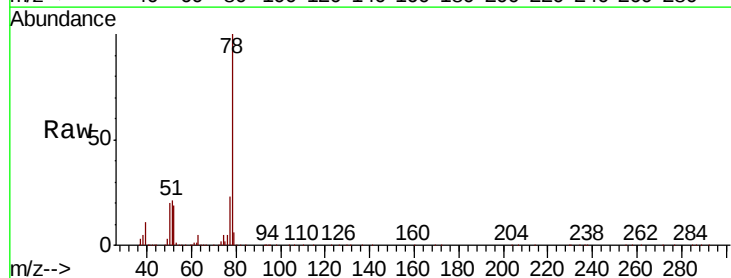
Delta R.T. 0.02 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Tgt Ion: 78 Resp: 2954440

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.0	27.0
50	20.4	16.5	24.7

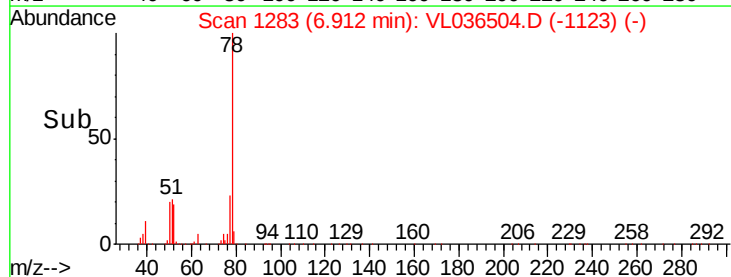
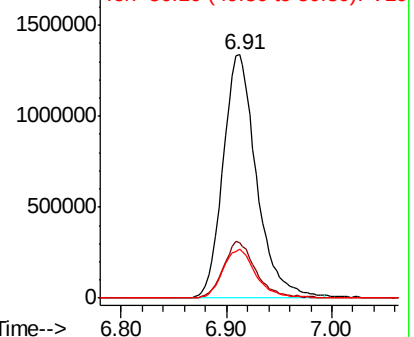


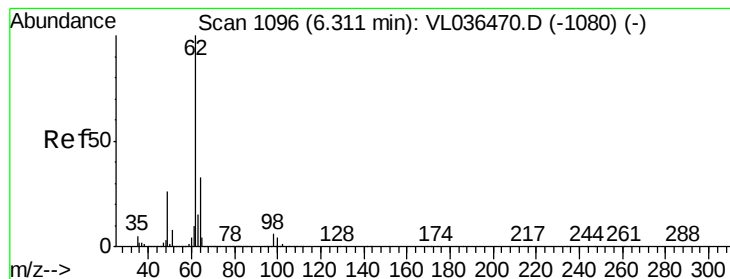
Abundance

Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 8.360 ppbv

RT: 6.33 min Scan# 1101

Delta R.T. 0.02 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Instrument :

MSVOA_L

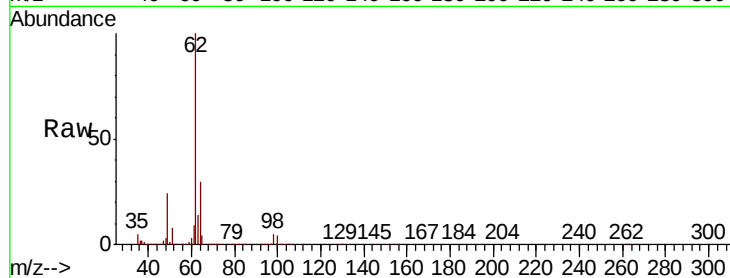
ClientSampleId :

Tot Ion: 62 Resp: 1679012

Ion Ratio Lower Upper

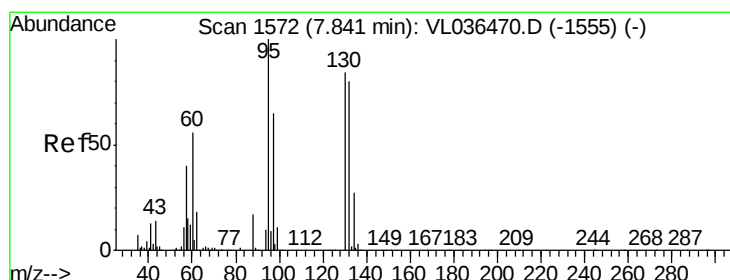
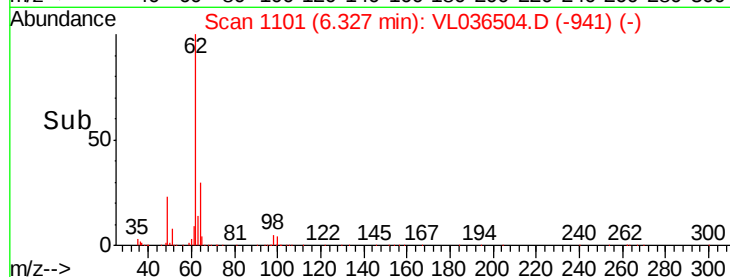
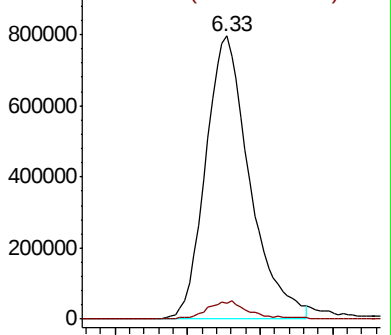
62 100

98 6.2 4.9 7.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 7.907 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. 0.02 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Tgt Ion:130 Resp: 1050052

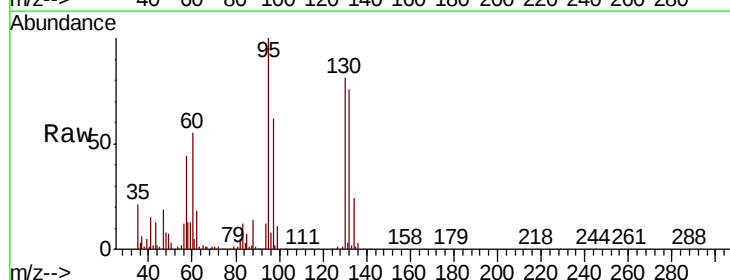
Ion Ratio Lower Upper

130 100

95 124.3 95.7 143.5

132 95.0 76.2 114.4

97 77.6 61.8 92.6

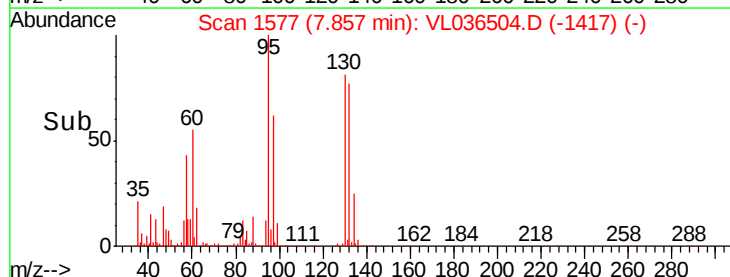
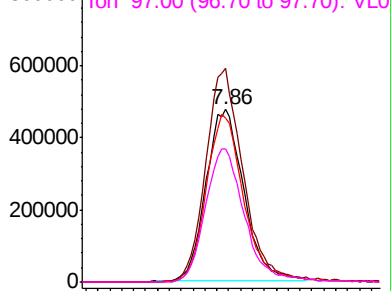


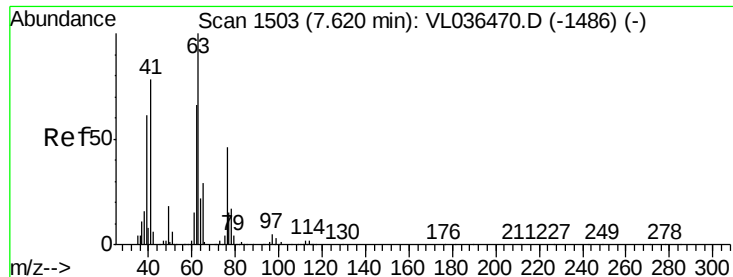
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



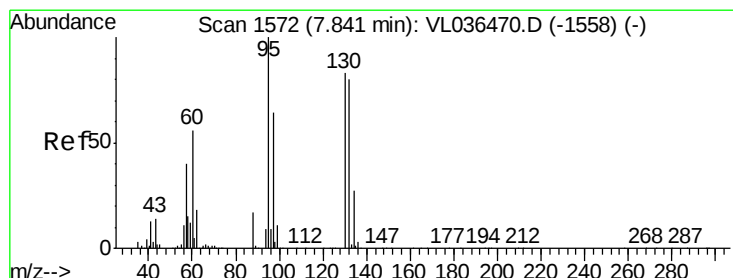
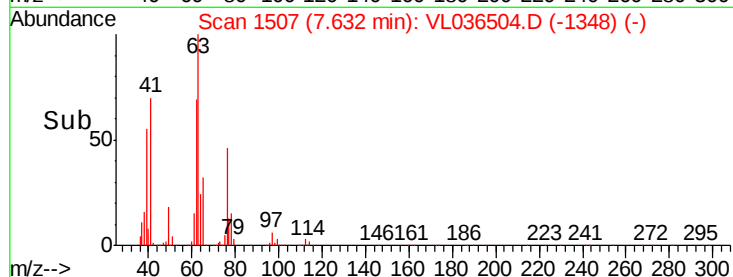
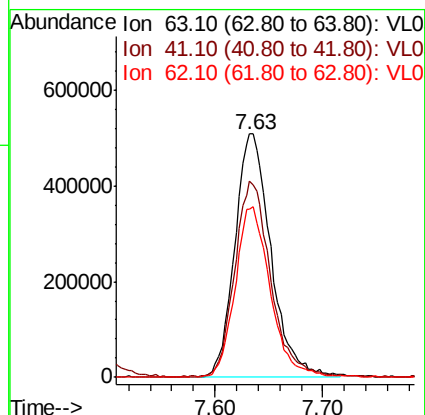
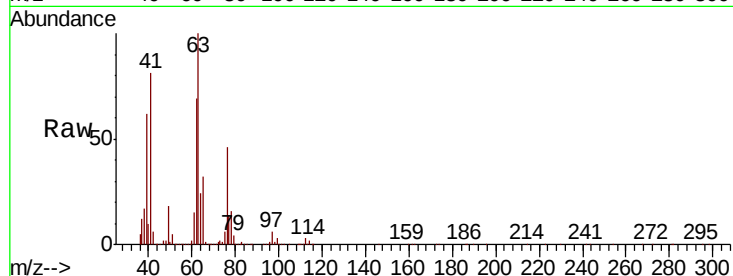


#39
 1,2-Dichloropropane
 Concen: 8.527 ppbv
 RT: 7.63 min Scan# 1507
 Delta R.T. 0.01 min
 Lab File: VL036504.D
 Acq: 26 Mar 2021 5:51

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 1180302

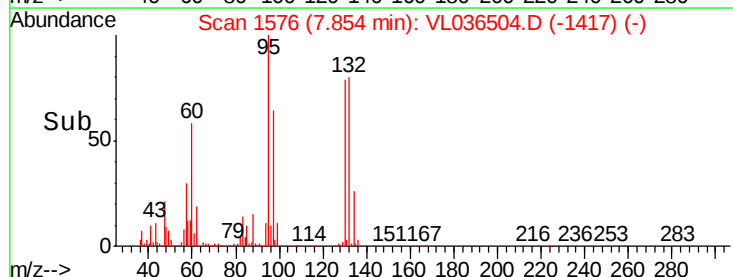
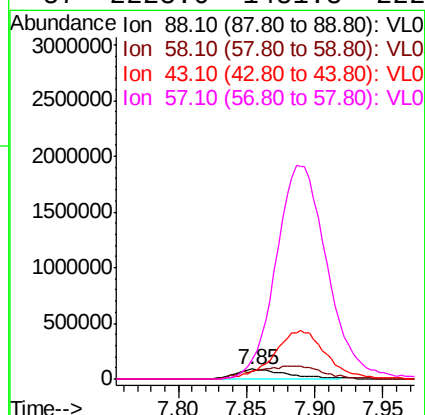
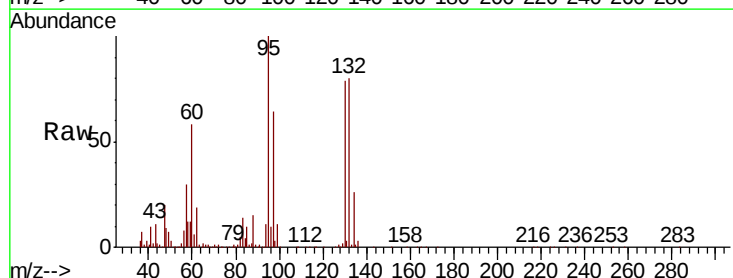
Ion	Ratio	Lower	Upper
63	100		
41	80.3	62.4	93.6
62	68.9	52.8	79.2

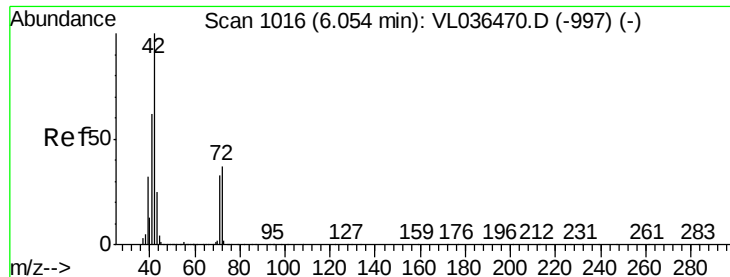


#40
 1,4-Dioxane
 Concen: 7.019 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VL036504.D
 Acq: 26 Mar 2021 5:51

Tgt Ion: 88 Resp: 226126

Ion	Ratio	Lower	Upper
88	100		
58	185.3	134.1	201.1
43	506.7	346.6	520.0
57	2228.6	1481.8	2222.8#

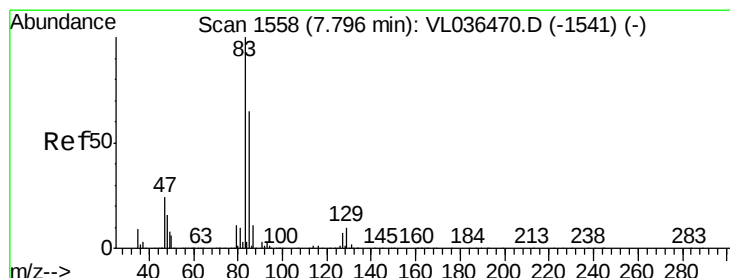
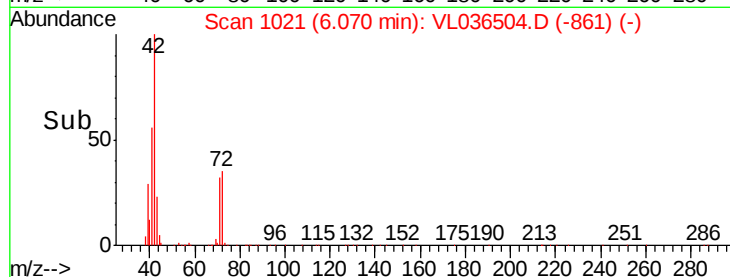
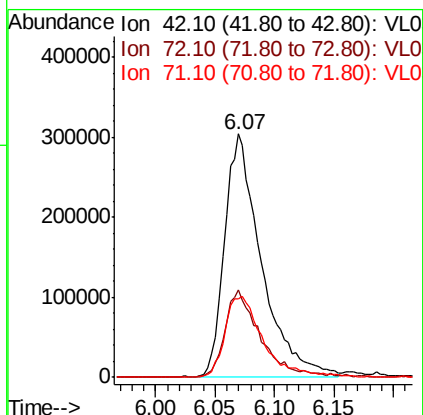
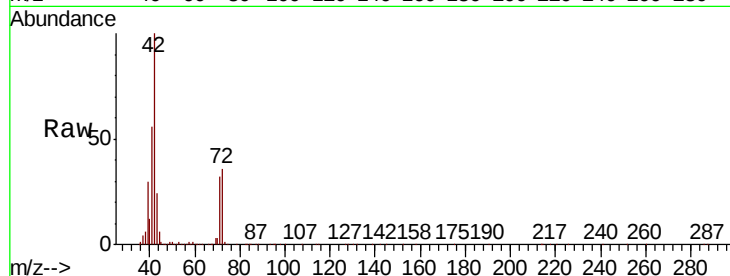




#41
Tetrahydrofuran
Concen: 7.771 ppbv
RT: 6.07 min Scan# 1021
Delta R.T. 0.02 min
Lab File: VL036504.D
Acq: 26 Mar 2021 5:51

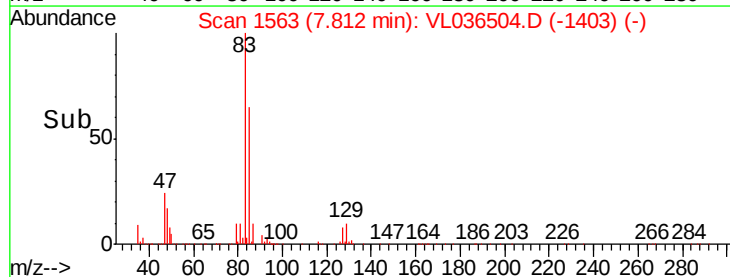
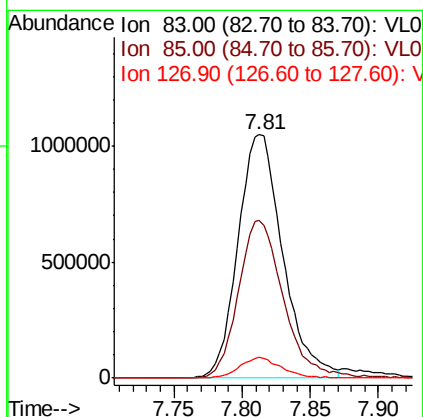
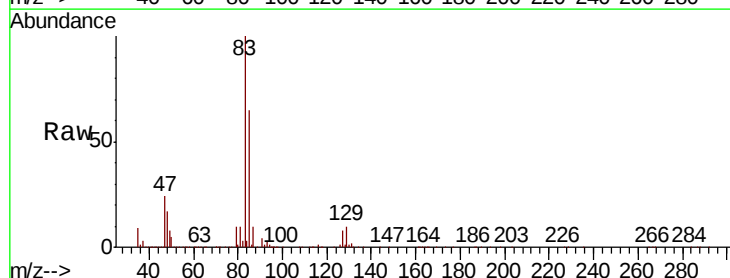
Instrument :
MSVOA_L
ClientSampled :

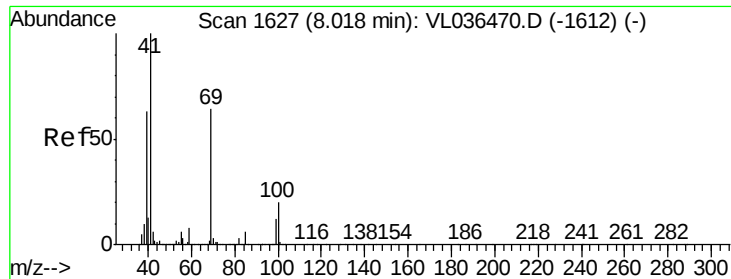
Tot Ion	Ratio	Lower	Upper
42	100		
72	35.3	27.6	41.4
71	35.6	27.0	40.4



#42
Bromodichloromethane
Concen: 8.762 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. 0.02 min
Lab File: VL036504.D
Acq: 26 Mar 2021 5:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.6
127	8.4	5.8	8.8





#43

Methyl Methacrylate

Concen: 9.825 ppbv

RT: 8.03 min Scan# 1631

Delta R.T. 0.01 min

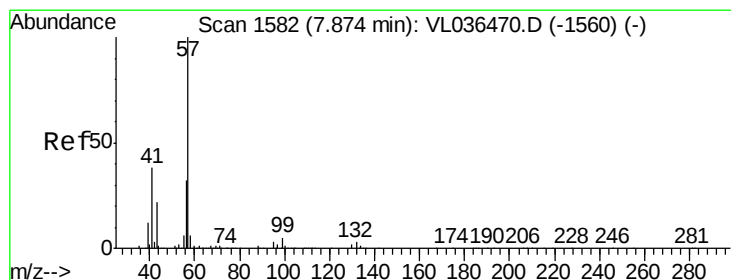
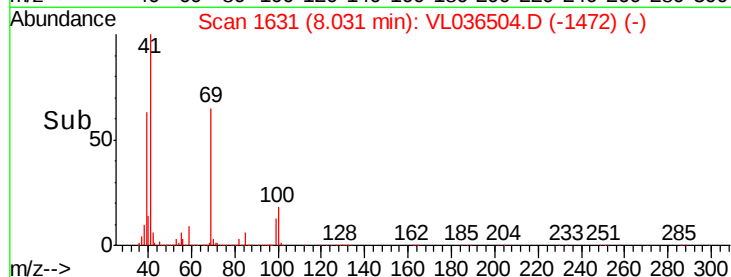
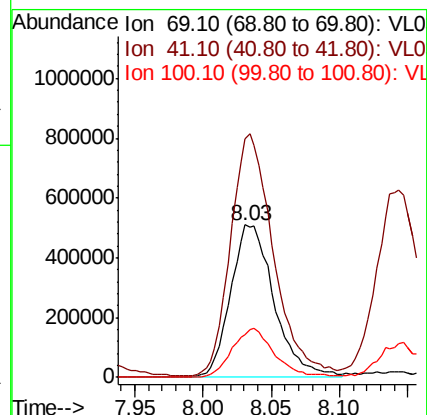
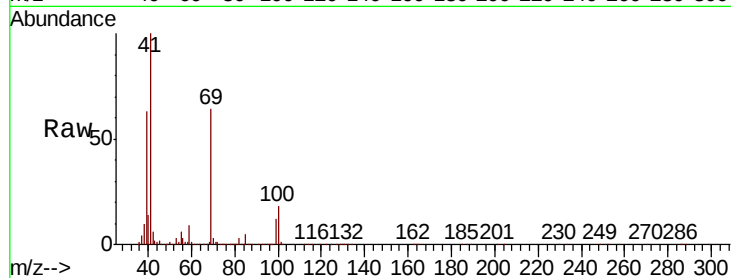
Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 69 Resp: 1125791

Ion	Ratio	Lower	Upper
69	100		
41	158.3	126.8	190.2
100	31.3	24.9	37.3



#44

2,2,4-Trimethylpentane

Concen: 8.346 ppbv

RT: 7.89 min Scan# 1586

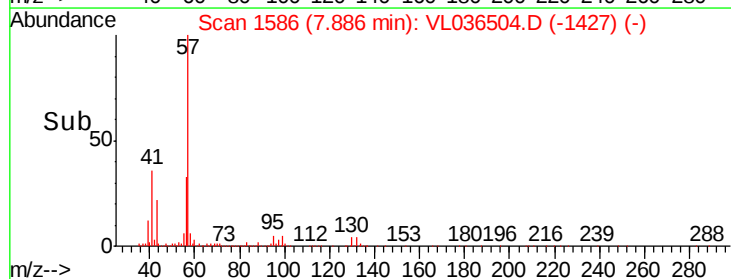
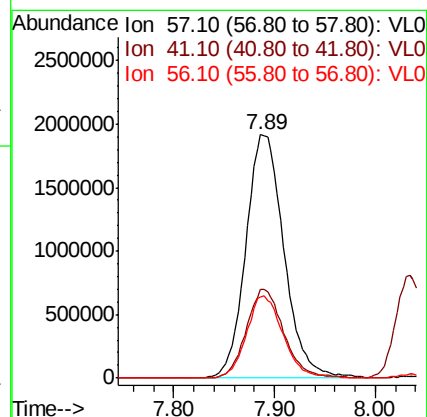
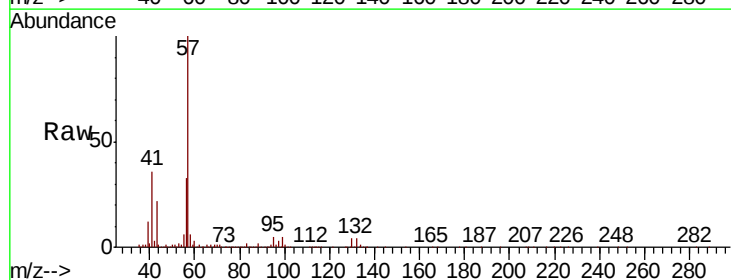
Delta R.T. 0.01 min

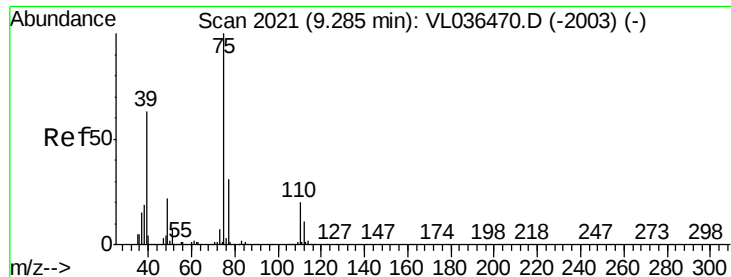
Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Tgt Ion: 57 Resp: 5012571

Ion	Ratio	Lower	Upper
57	100		
41	35.7	28.8	43.2
56	32.6	26.1	39.1





#45

t-1,3-Dichloropropene

Concen: 7.708 ppbv

RT: 9.30 min Scan# 2025

Delta R.T. 0.01 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

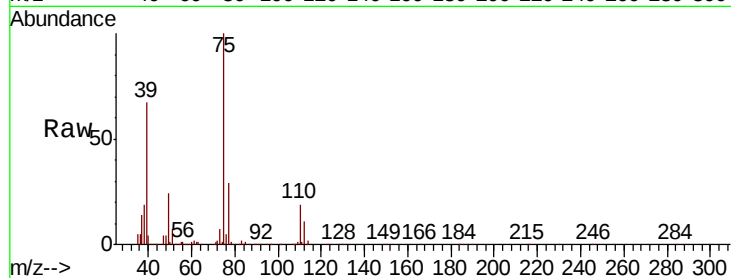
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 75 Resp: 1008475

Ion Ratio Lower Upper

75 100

77 29.4 25.1 37.7



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.30

500000

400000

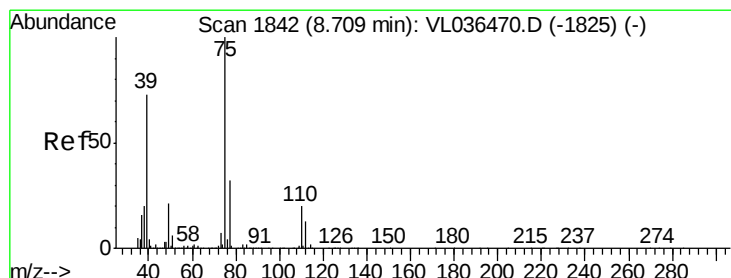
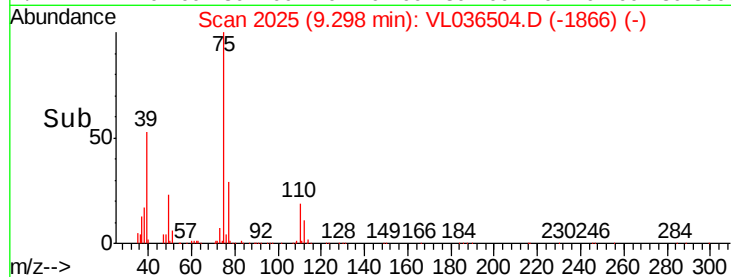
300000

200000

100000

0

Time--> 9.20 9.25 9.30 9.35 9.40



#46

cis-1,3-Dichloropropene

Concen: 7.865 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. 0.01 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

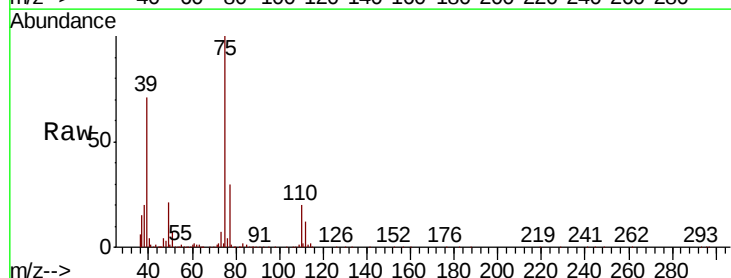
Tgt Ion: 75 Resp: 1315439

Ion Ratio Lower Upper

75 100

39 70.8 58.2 87.2

77 30.4 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

800000

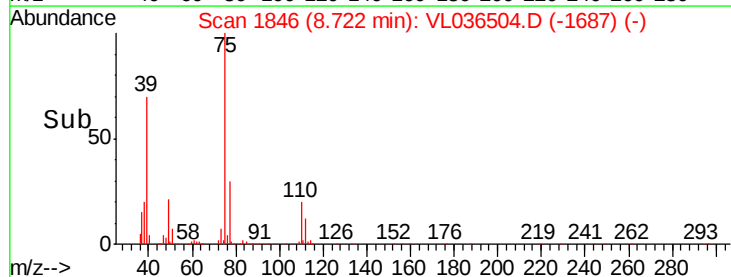
600000

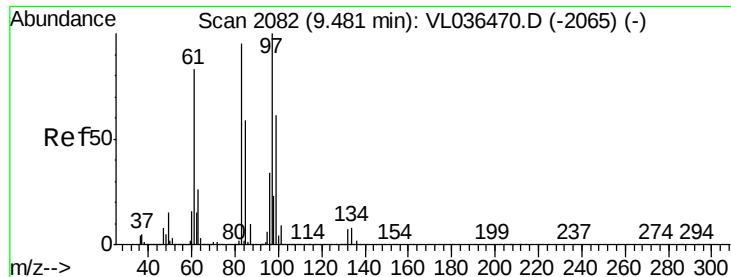
400000

200000

0

Time--> 8.65 8.70 8.75 8.80





#47

1,1,2-Trichloroethane

Concen: 8.343 ppbv

RT: 9.50 min Scan# 2087

Delta R.T. 0.02 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 1169754

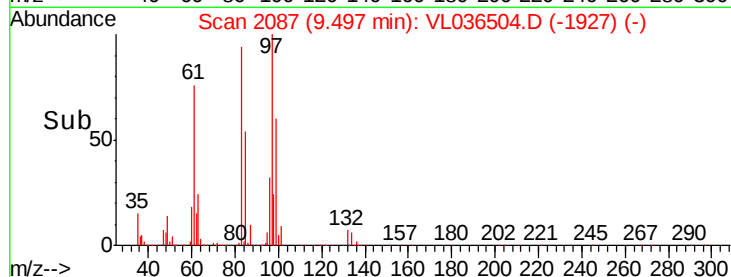
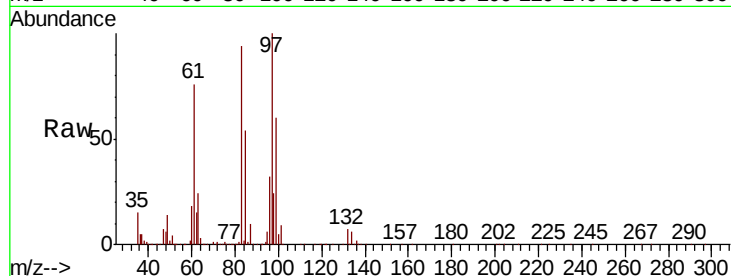
Ion Ratio Lower Upper

97 100

83 93.5 75.8 113.8

85 54.1 47.1 70.7

99 59.7 49.2 73.8

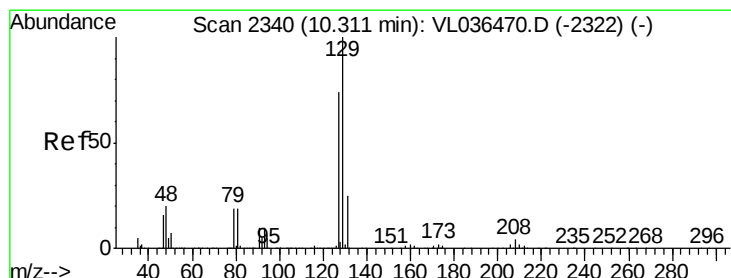
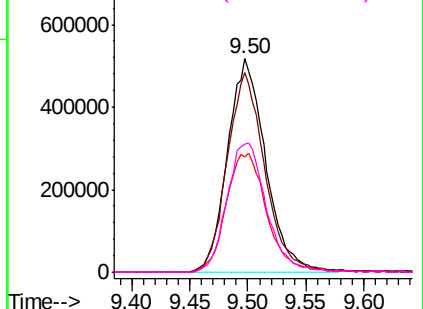


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 9.179 ppbv

RT: 10.33 min Scan# 2345

Delta R.T. 0.02 min

Lab File: VL036504.D

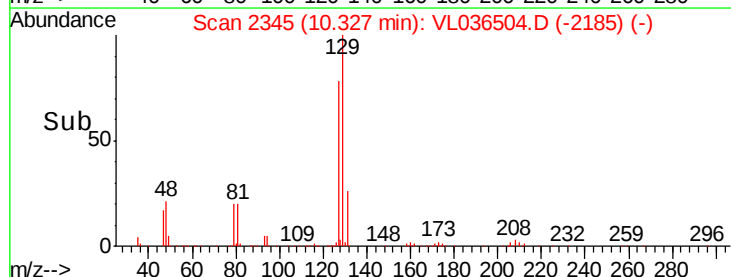
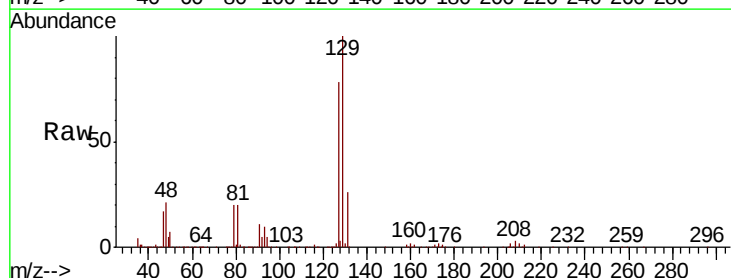
Acq: 26 Mar 2021 5:51

Tgt Ion:129 Resp: 1961768

Ion Ratio Lower Upper

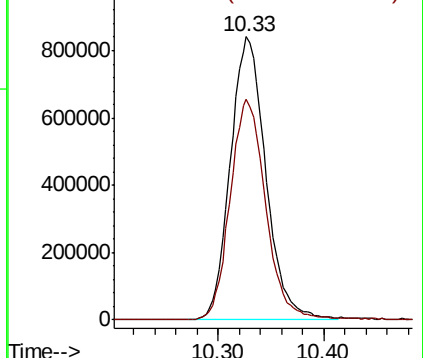
129 100

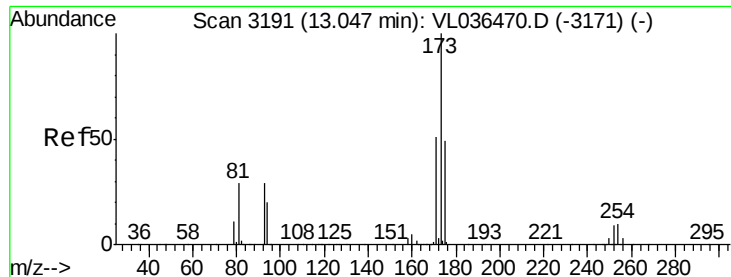
127 78.7 39.6 118.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.292 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. 0.02 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Instrument :

MSVOA_L

ClientSampled :

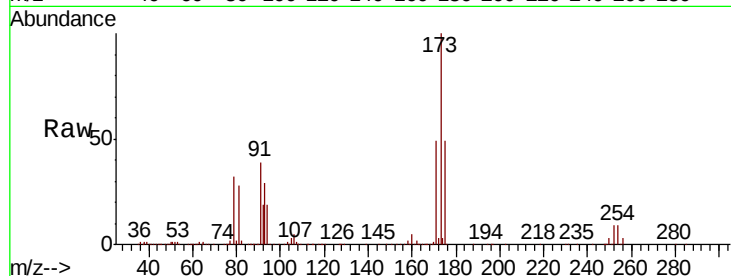
Tot Ion:173 Resp: 1600112

Ion Ratio Lower Upper

173 100

175 50.2 39.6 59.4

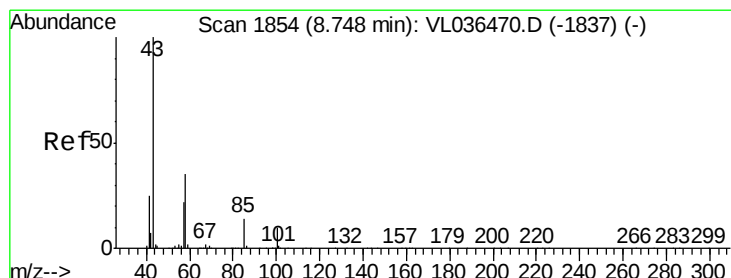
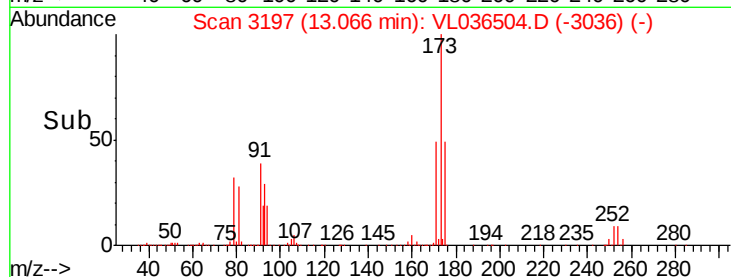
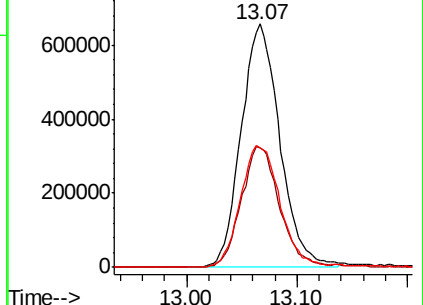
171 52.4 41.4 62.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 8.461 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. 0.02 min

Lab File: VL036504.D

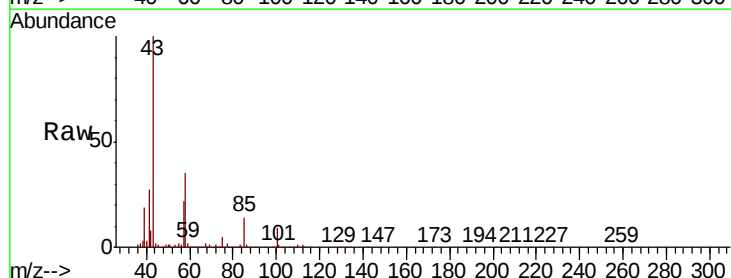
Acq: 26 Mar 2021 5:51

Tgt Ion: 43 Resp: 2211190

Ion Ratio Lower Upper

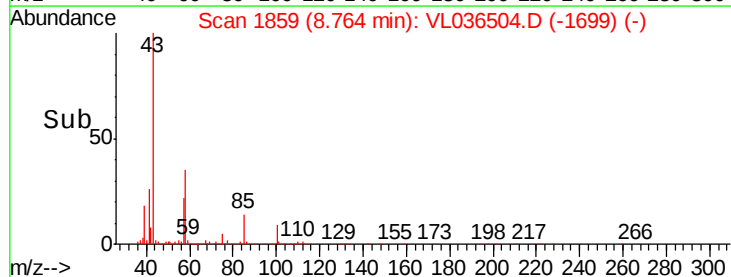
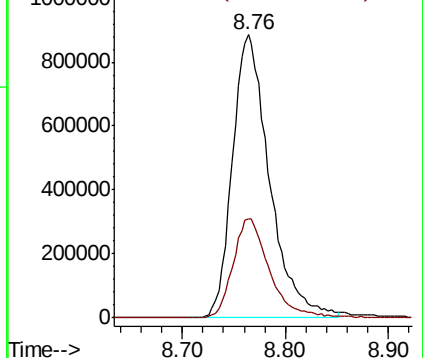
43 100

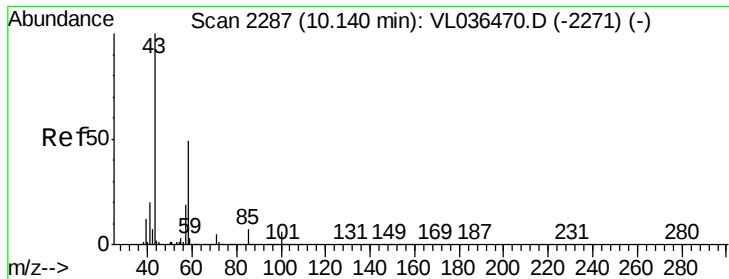
58 35.0 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

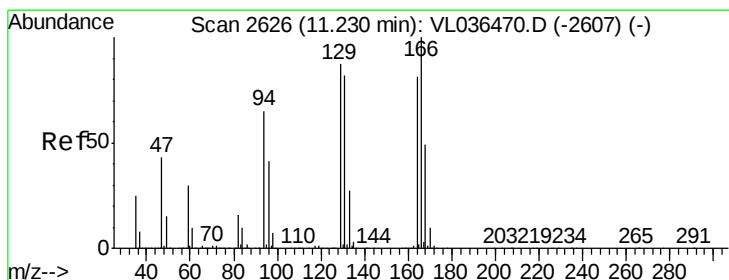
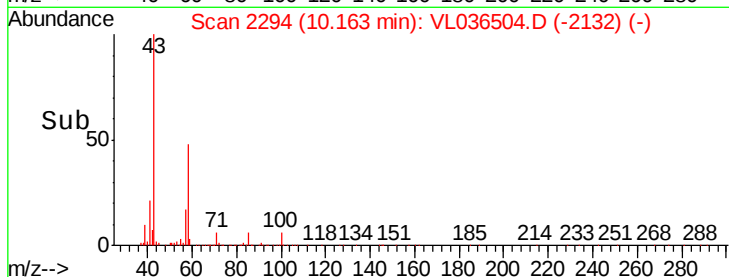
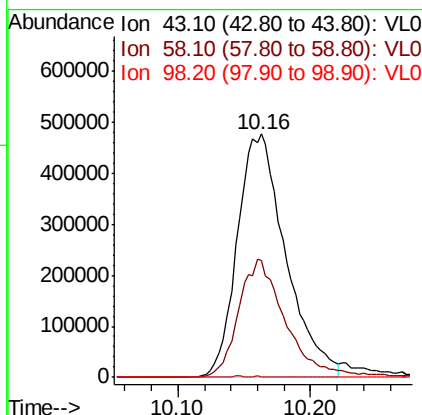
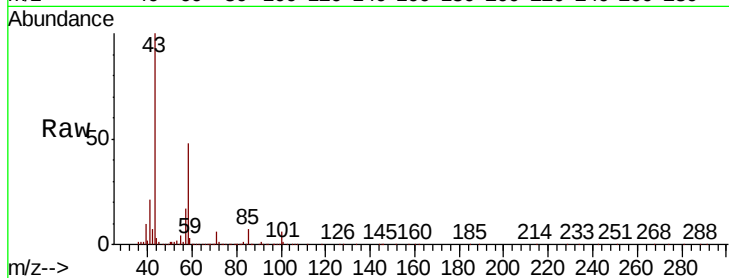




#51
2-Hexanone
Concen: 9.181 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.02 min
Lab File: VL036504.D
Acq: 26 Mar 2021 5:51

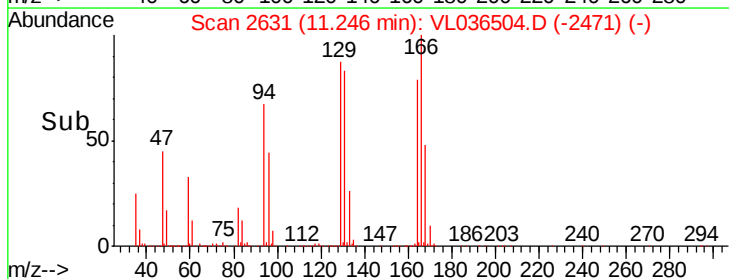
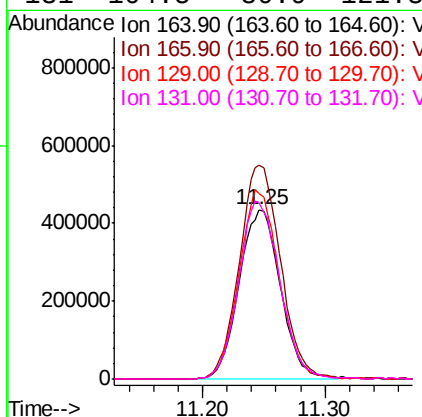
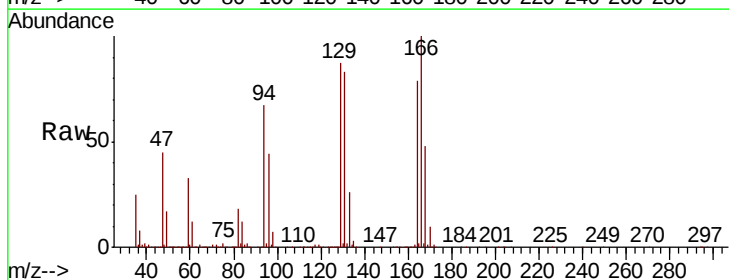
Instrument :
MSVOA_L
ClientSampleId :

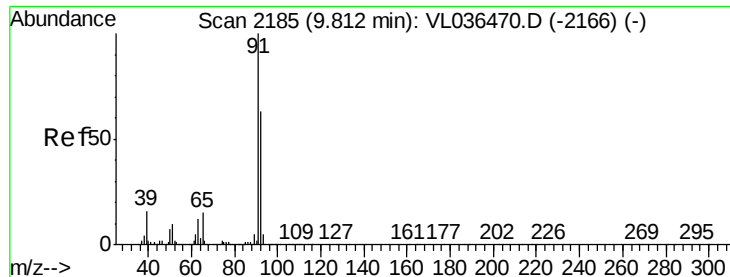
Tot Ion: 43 Resp: 1210839
Ion Ratio Lower Upper
43 100
58 47.9 37.7 56.5
98 0.6 0.2 0.2#



#52
Tetrachloroethene
Concen: 8.067 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. 0.02 min
Lab File: VL036504.D
Acq: 26 Mar 2021 5:51

Tgt Ion: 164 Resp: 1013635
Ion Ratio Lower Upper
164 100
166 126.3 98.3 147.5
129 109.8 85.8 128.8
131 104.5 80.9 121.3





#53

Toluene

Concen: 9.099 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.01 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Instrument :

MSVOA_L

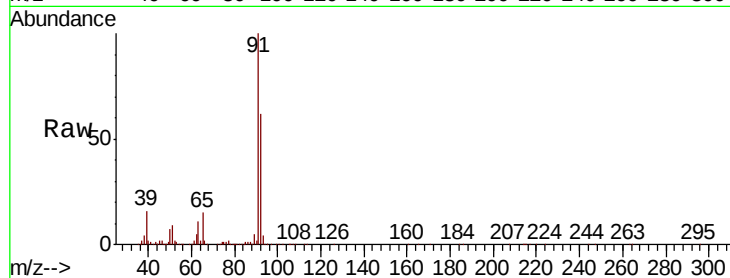
ClientSampleId :

Tot Ion: 91 Resp: 3306404

Ion Ratio Lower Upper

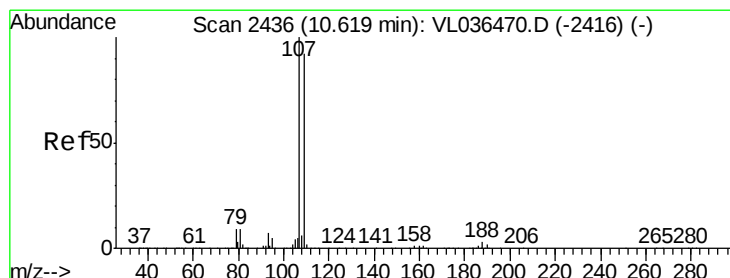
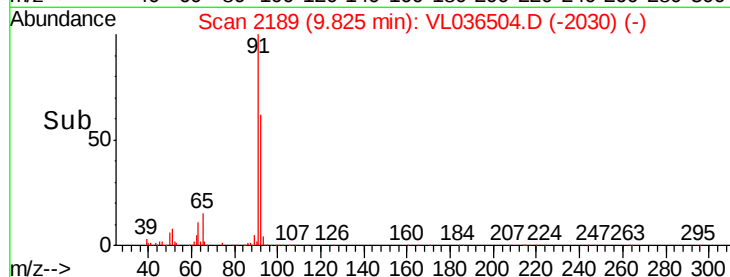
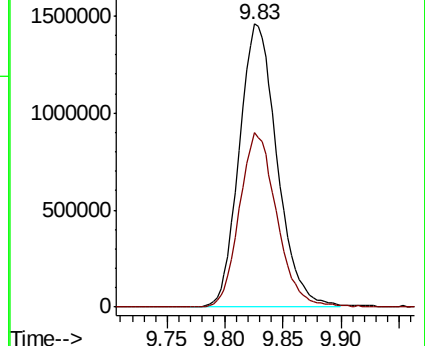
91 100

92 60.9 48.8 73.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 8.547 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. 0.02 min

Lab File: VL036504.D

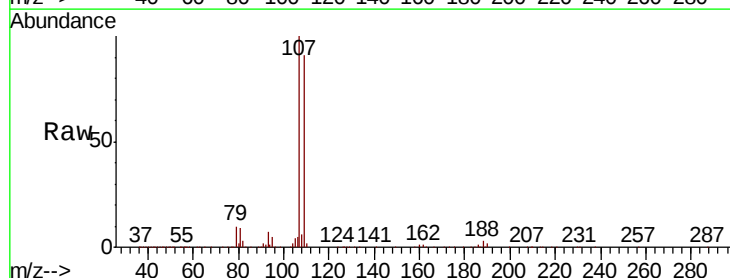
Acq: 26 Mar 2021 5:51

Tgt Ion: 107 Resp: 1692220

Ion Ratio Lower Upper

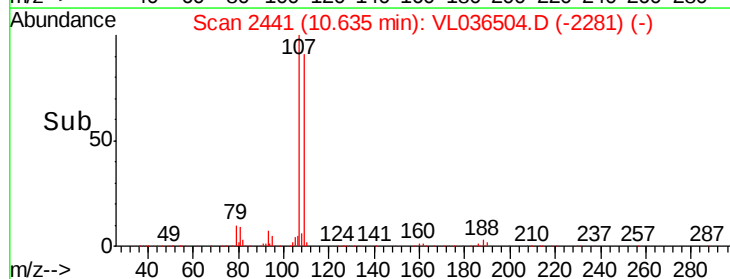
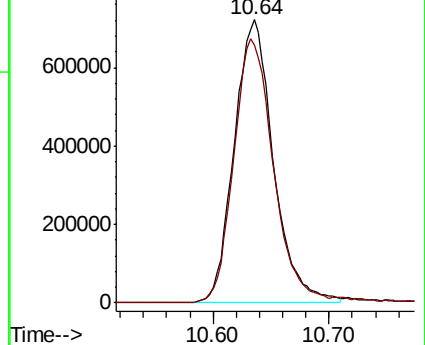
107 100

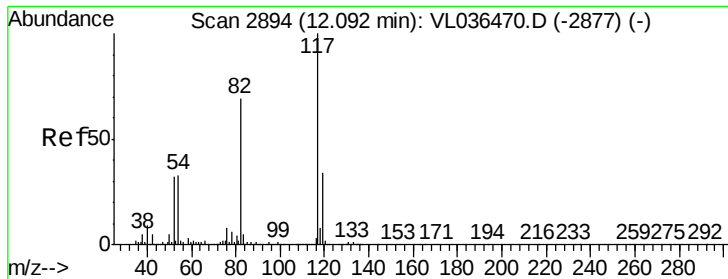
109 90.9 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

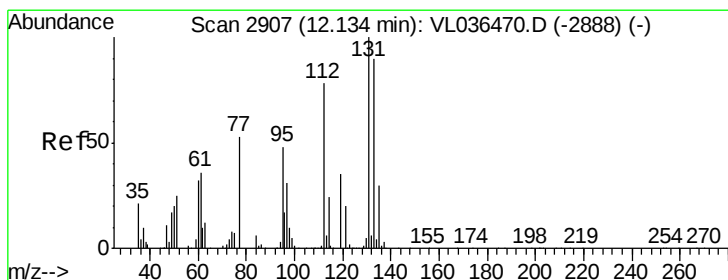
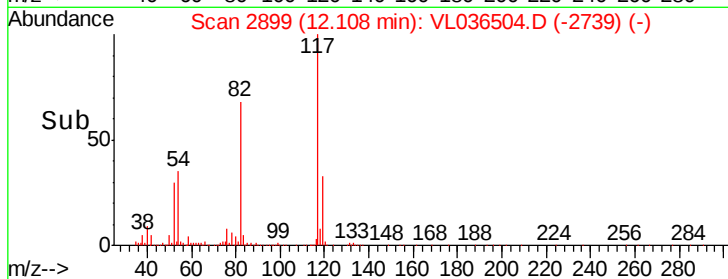
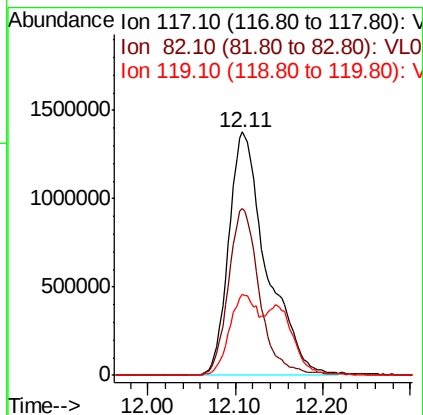
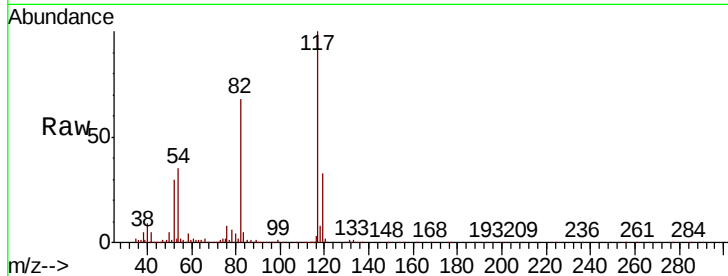




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. 0.02 min
Lab File: VL036504.D
Acq: 26 Mar 2021 5:51

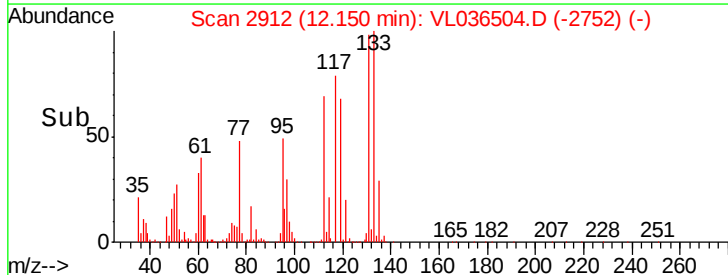
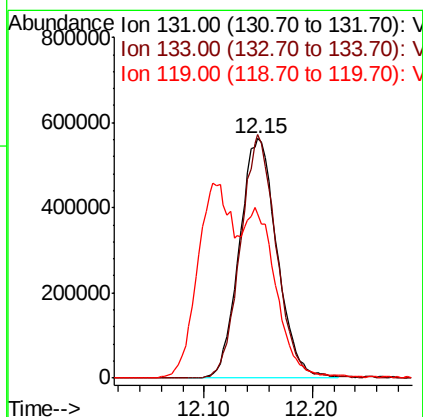
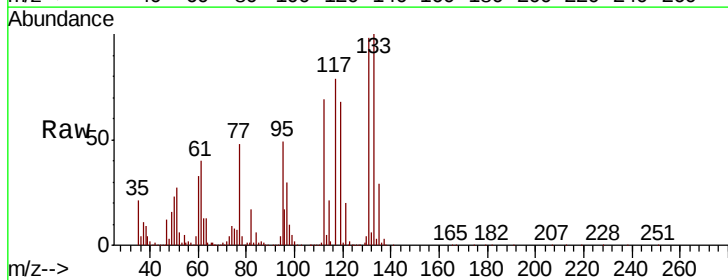
Instrument :
MSVOA_L
ClientSampleId :

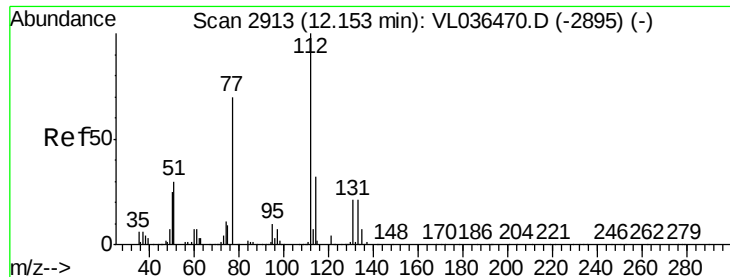
Tot Ion:117 Resp: 4153914
Ion Ratio Lower Upper
117 100
82 57.0 57.4 86.0#
119 25.1 47.4 71.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.256 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.02 min
Lab File: VL036504.D
Acq: 26 Mar 2021 5:51

Tgt Ion:131 Resp: 1363353
Ion Ratio Lower Upper
131 100
133 96.8 75.8 113.6
119 63.8 48.7 73.1





#57

Chlorobenzene

Concen: 6.878 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. 0.02 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Instrument :

MSVOA_L

ClientSampleId :

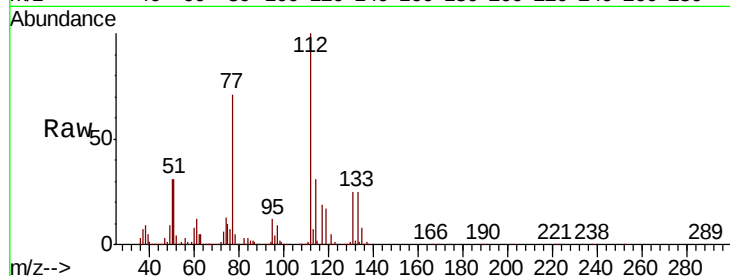
Tot Ion:112 Resp: 2430848

Ion Ratio Lower Upper

112 100

77 69.7 56.0 84.0

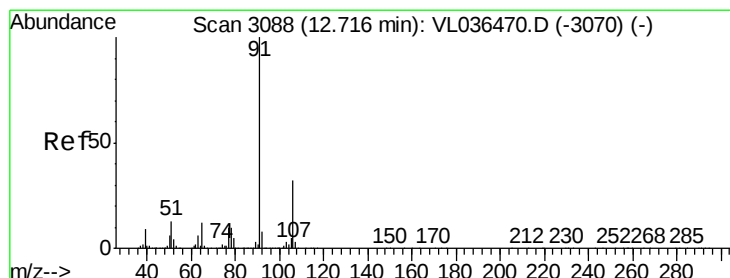
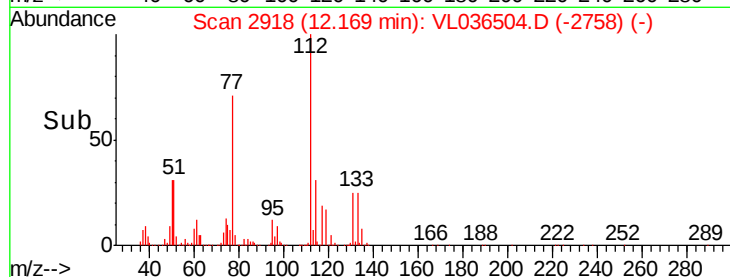
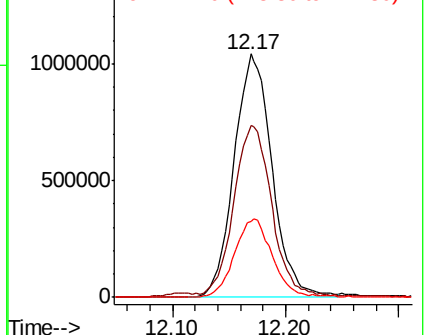
114 31.3 29.0 35.4



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.420 ppbv

RT: 12.74 min Scan# 3094

Delta R.T. 0.02 min

Lab File: VL036504.D

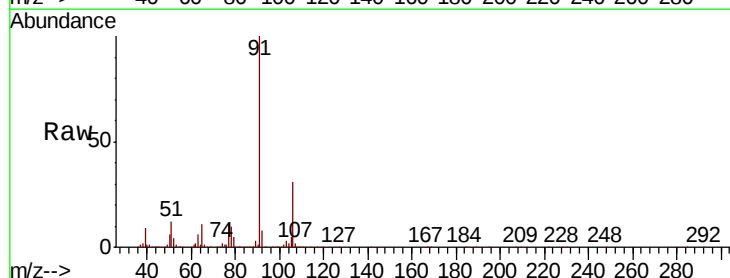
Acq: 26 Mar 2021 5:51

Tgt Ion: 91 Resp: 4483862

Ion Ratio Lower Upper

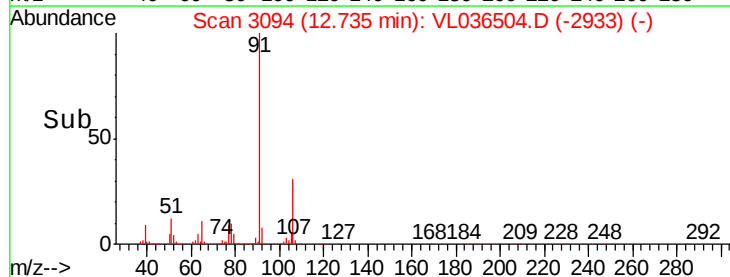
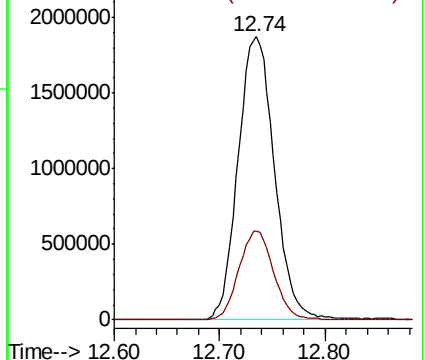
91 100

106 31.5 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

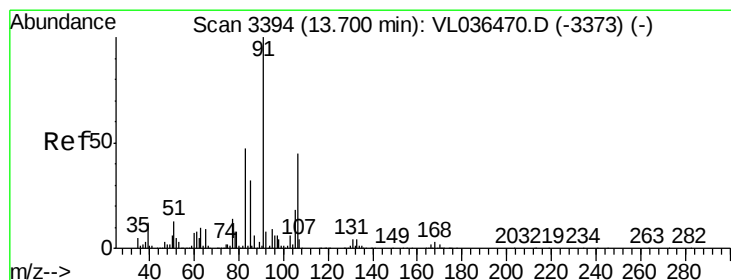
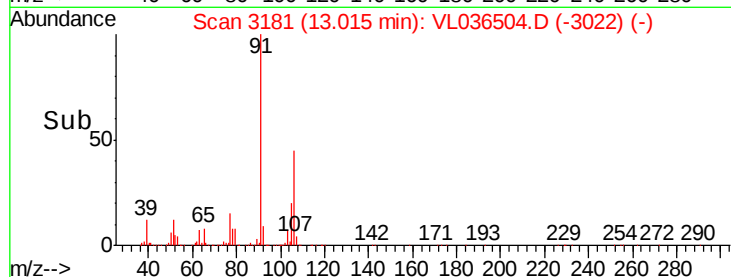
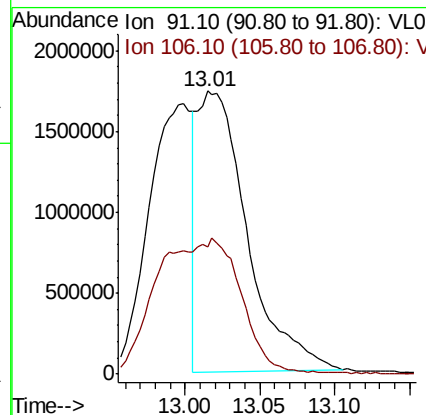
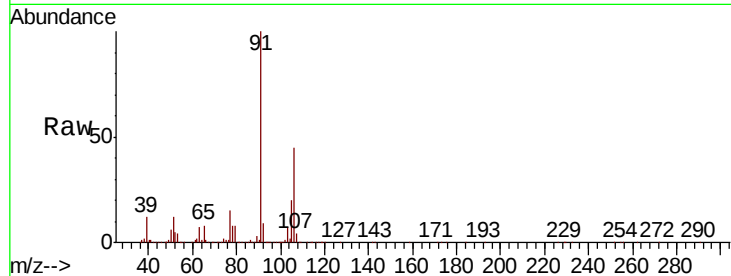




#59
m/p-Xylene
Concen: 7.539 ppbv
RT: 13.01 min Scan# 3181
Delta R.T. 0.01 min
Lab File: VL036504.D
Acq: 26 Mar 2021 5:51

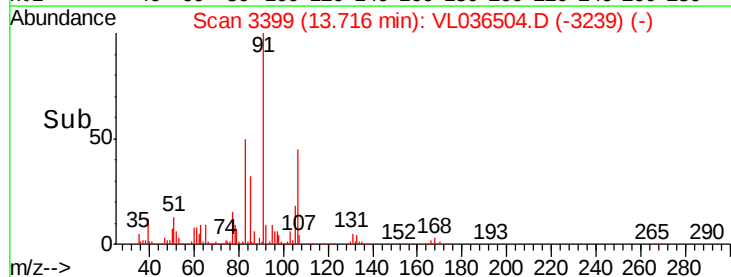
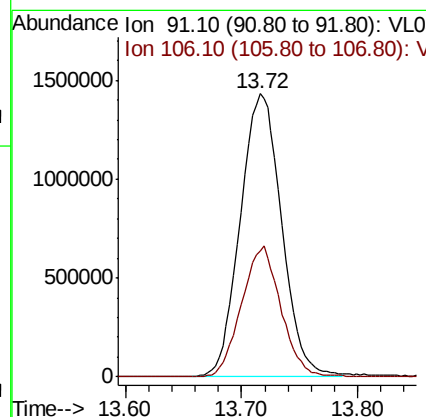
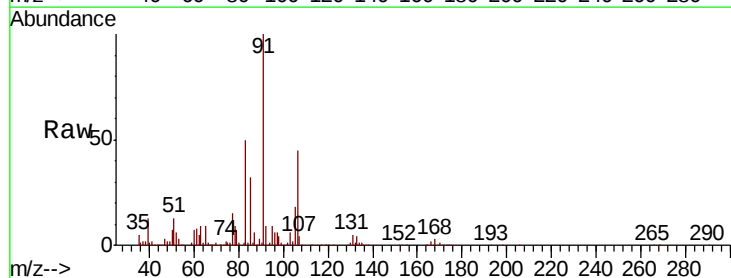
Instrument :
MSVOA_L
ClientSampleId :

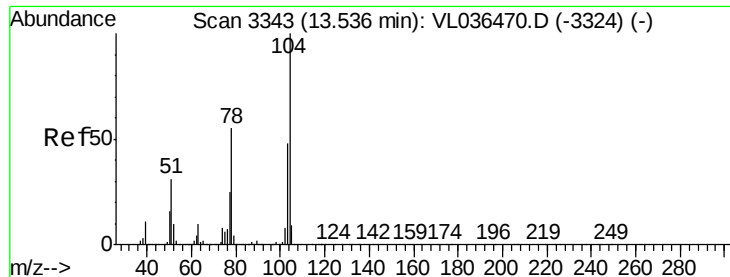
Tot Ion: 91 Resp: 3973771
Ion Ratio Lower Upper
91 100
106 83.3 35.3 52.9#



#60
o-Xylene
Concen: 6.955 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. 0.02 min
Lab File: VL036504.D
Acq: 26 Mar 2021 5:51

Tgt Ion: 91 Resp: 3544756
Ion Ratio Lower Upper
91 100
106 44.3 22.3 66.9





#61

Stvrene

Concen: 7.621 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. 0.02 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Instrument :

MSVOA_L

ClientSampleId :

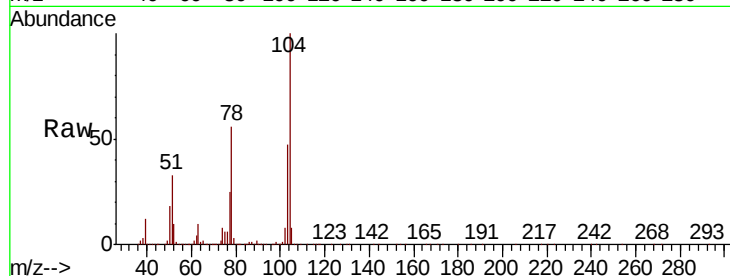
Tot Ion:104 Resp: 1954052

Ion Ratio Lower Upper

104 100

78 54.8 43.8 65.8

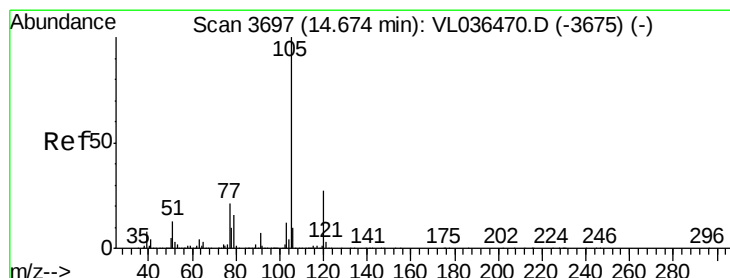
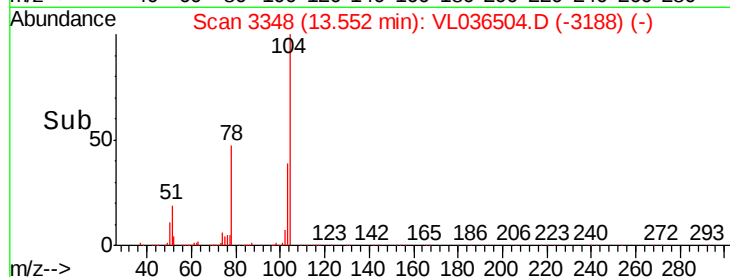
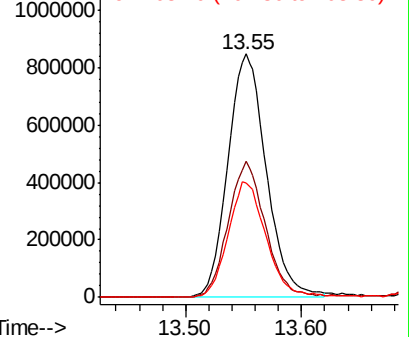
103 47.2 38.3 57.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.145 ppbv

RT: 14.69 min Scan# 3703

Delta R.T. 0.02 min

Lab File: VL036504.D

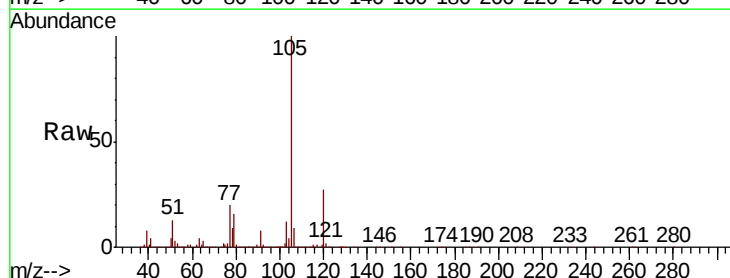
Acq: 26 Mar 2021 5:51

Tgt Ion:105 Resp: 4904322

Ion Ratio Lower Upper

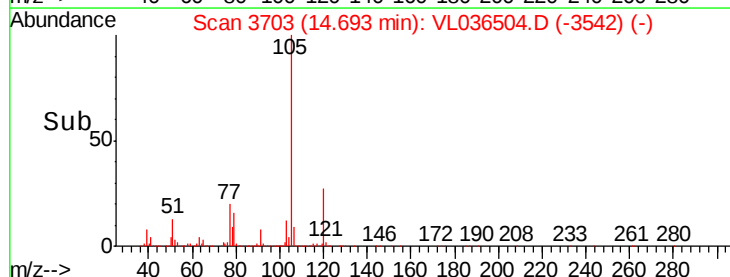
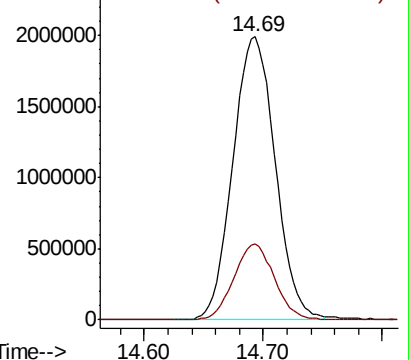
105 100

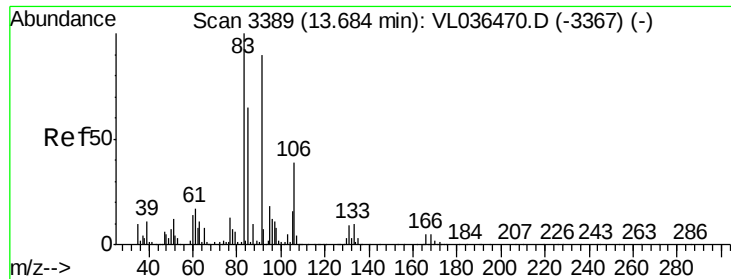
120 25.8 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 6.451 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. 0.02 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Instrument :

MSVOA_L

ClientSampleId :

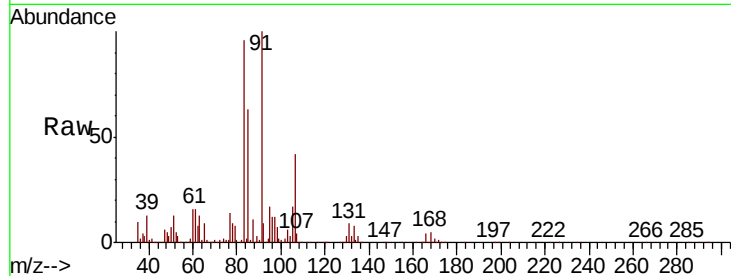
Tot Ion: 83 Resp: 2508272

Ion Ratio Lower Upper

83 100

131 9.5 4.7 14.0

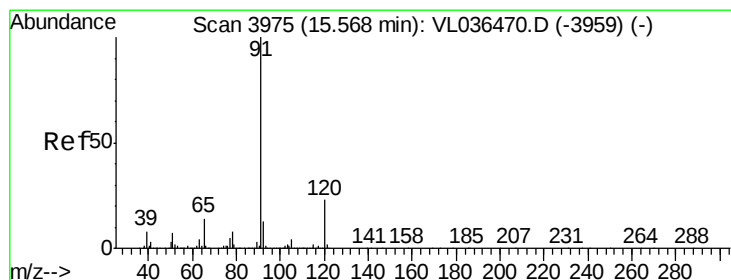
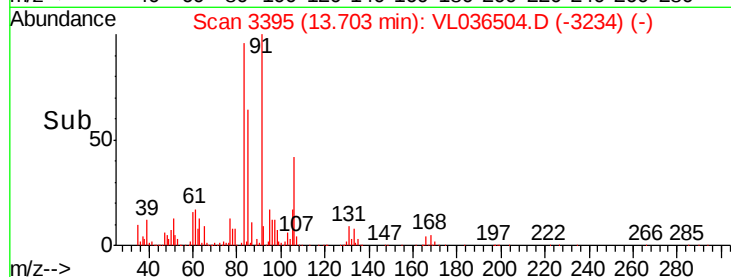
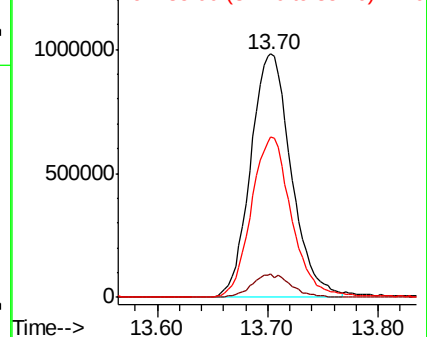
85 66.4 33.1 99.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.643 ppbv

RT: 15.59 min Scan# 3981

Delta R.T. 0.02 min

Lab File: VL036504.D

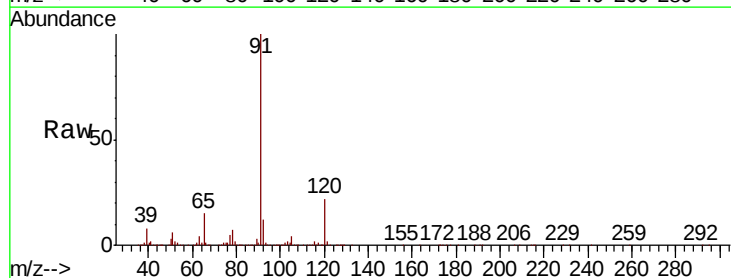
Acq: 26 Mar 2021 5:51

Tgt Ion:120 Resp: 1282537

Ion Ratio Lower Upper

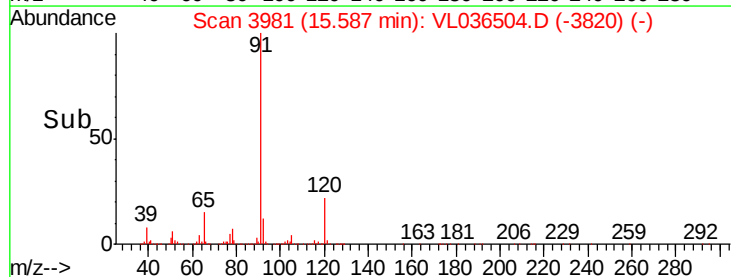
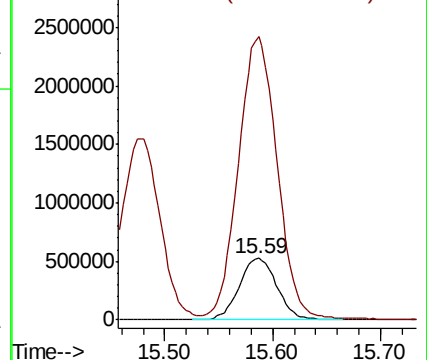
120 100

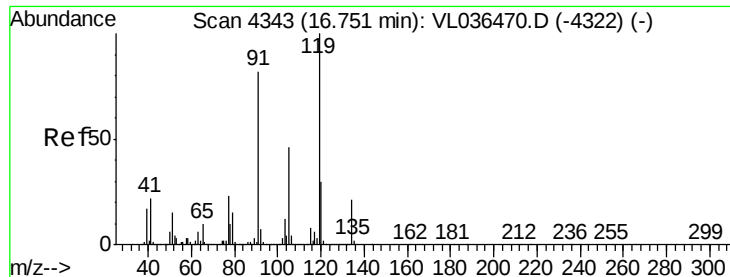
91 473.8 377.4 566.2



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 3.859 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. 0.02 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Instrument :

MSVOA_L

ClientSampleId :

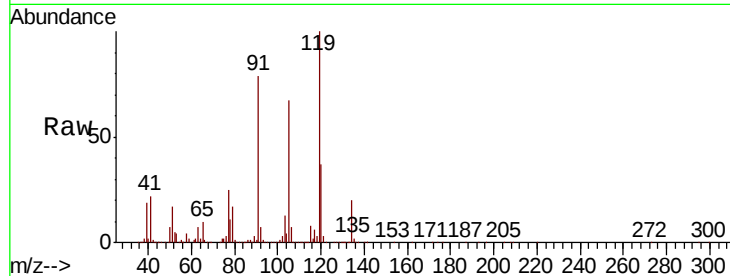
Tot Ion:119 Resp: 2296550

Ion Ratio Lower Upper

119 100

91 156.3 67.5 101.3#

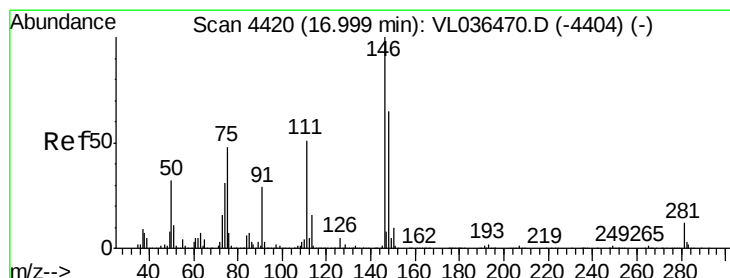
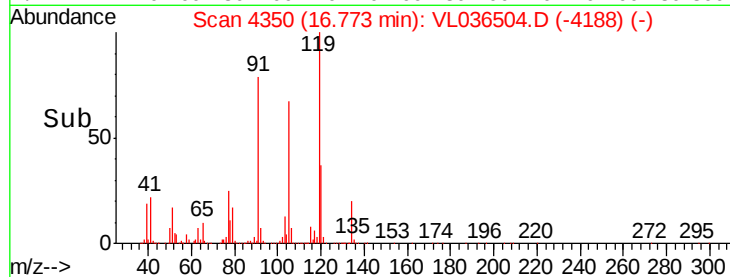
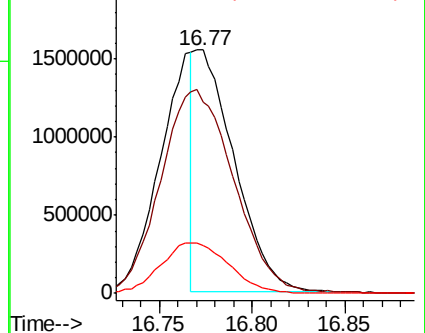
134 36.3 15.8 23.8#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 6.574 ppbv

RT: 17.01 min Scan# 4424

Delta R.T. 0.01 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

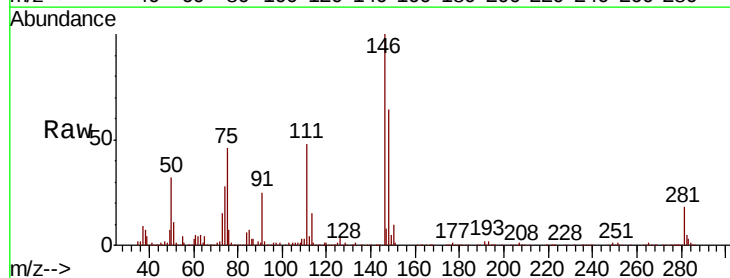
Tgt Ion: 91 Resp: 432495

Ion Ratio Lower Upper

91 100

126 17.5 13.5 20.3

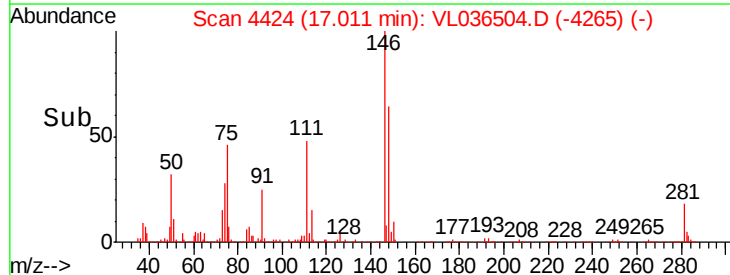
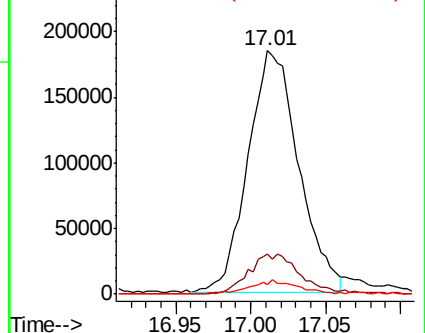
128 6.0 4.2 6.4

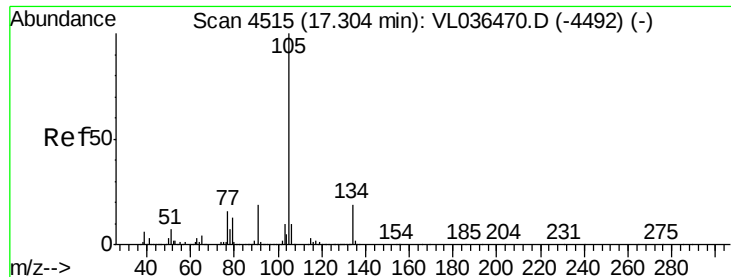


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.070 ppbv

RT: 17.32 min Scan# 4519

Delta R.T. 0.01 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Instrument :

MSVOA_L

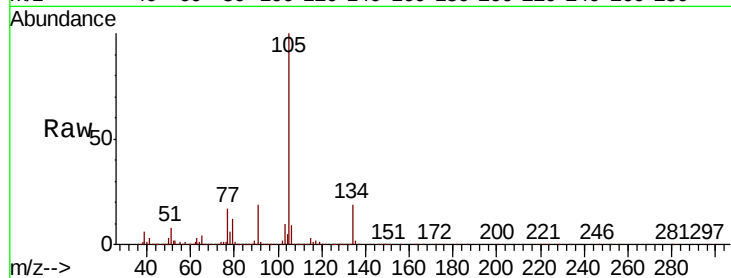
ClientSampled :

Tot Ion:105 Resp: 5939202

Ion Ratio Lower Upper

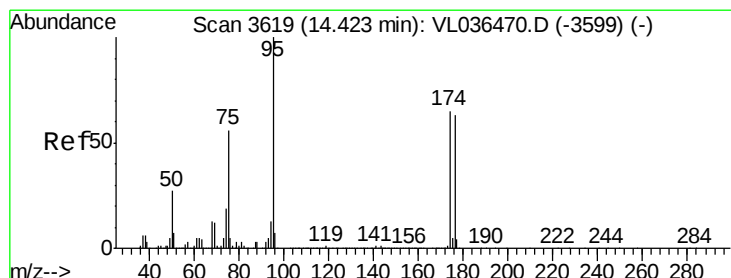
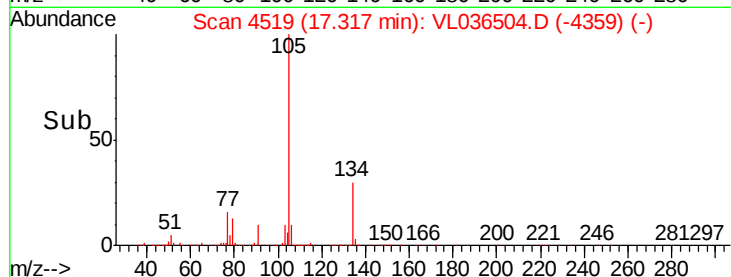
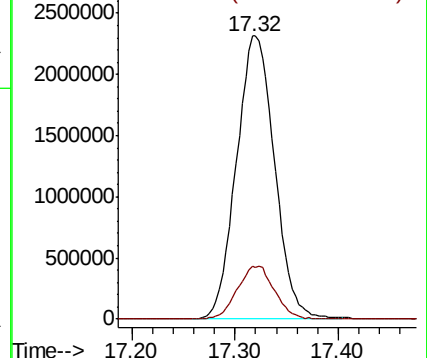
105 100

134 18.3 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.307 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. 0.02 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

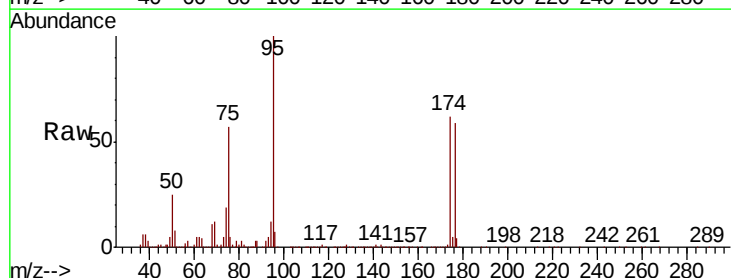
Tgt Ion: 95 Resp: 2750219

Ion Ratio Lower Upper

95 100

174 64.4 51.0 76.6

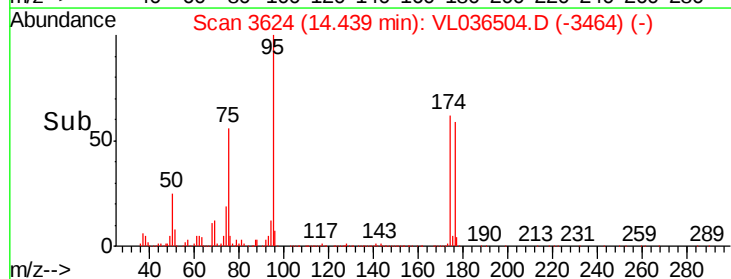
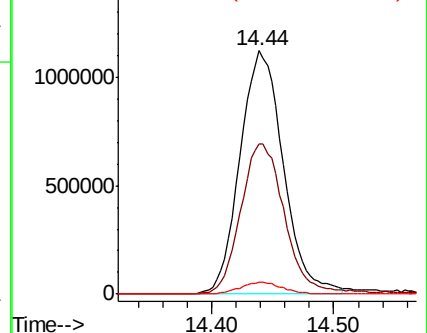
175 5.0 3.9 5.9

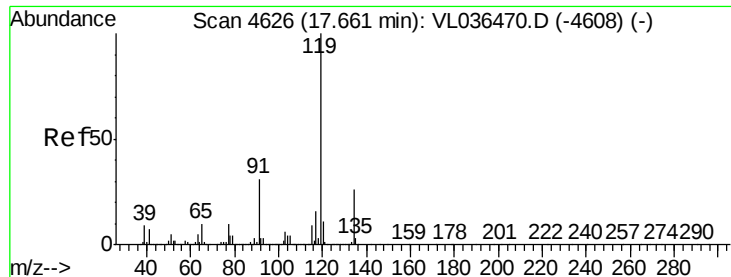


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 7.550 ppbv

RT: 17.68 min Scan# 4631

Delta R.T. 0.02 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Instrument :

MSVOA_L

ClientSampleId :

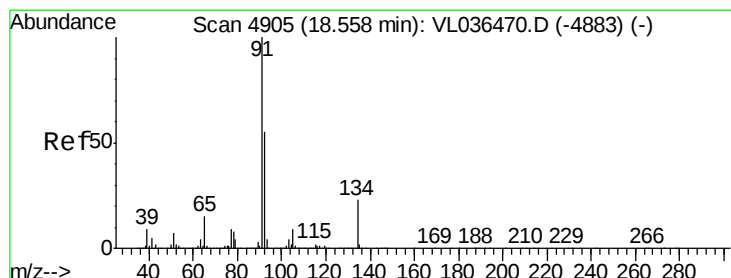
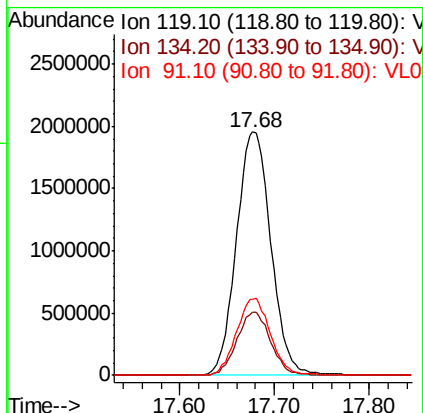
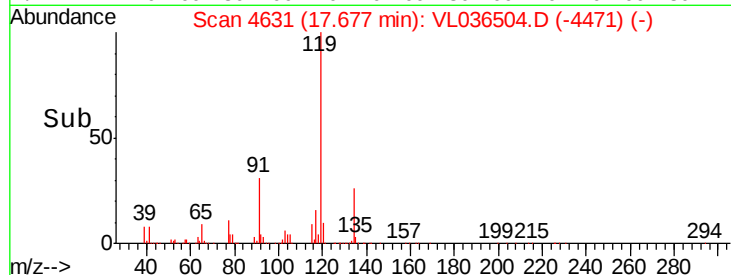
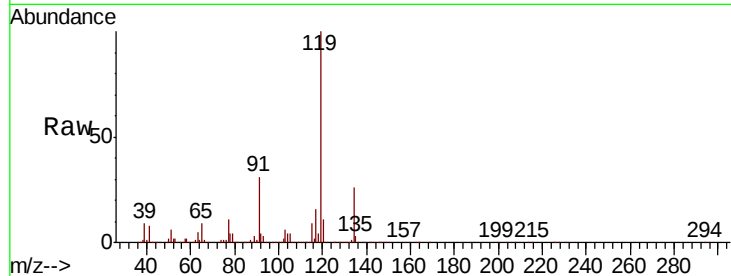
Tot Ion: 119 Resp: 4952948

Ion Ratio Lower Upper

119 100

134 25.4 20.6 30.8

91 31.0 25.0 37.6



#70

n-Butylbenzene

Concen: 7.494 ppbv

RT: 18.57 min Scan# 4910

Delta R.T. 0.02 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

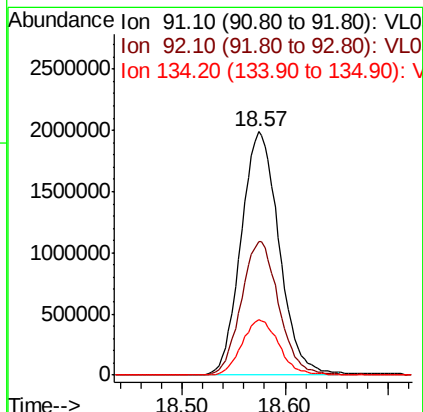
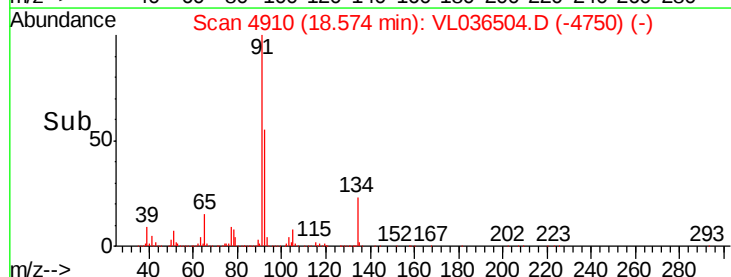
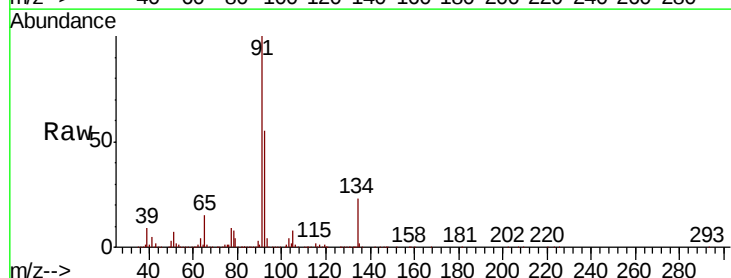
Tgt Ion: 91 Resp: 5097353

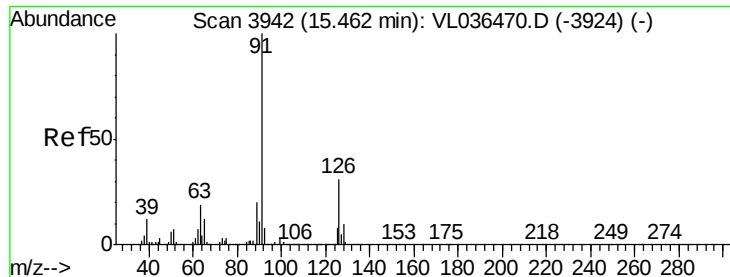
Ion Ratio Lower Upper

91 100

92 54.5 43.8 65.8

134 22.4 18.0 27.0





#71

2-Chlorotoluene

Concen: 7.443 ppbv

RT: 15.48 min Scan# 3947

Delta R.T. 0.02 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Instrument :

MSVOA_L

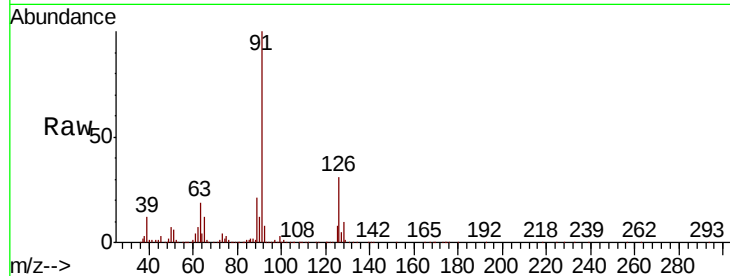
ClientSampleId :

Tot Ion: 91 Resp: 3828078

Ion Ratio Lower Upper

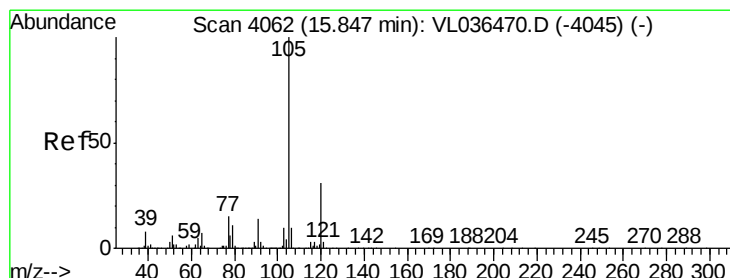
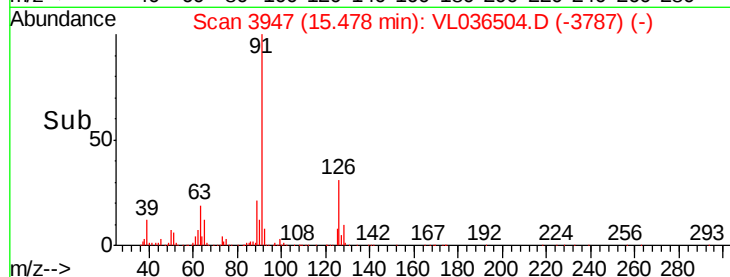
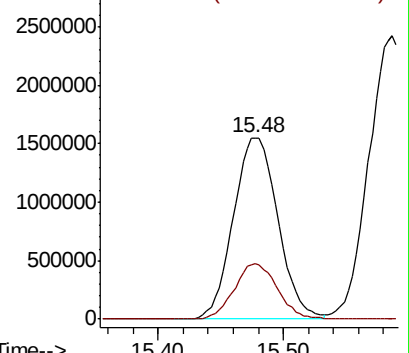
91 100

126 30.1 12.1 48.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.480 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. 0.02 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Tgt Ion:105 Resp: 4177351

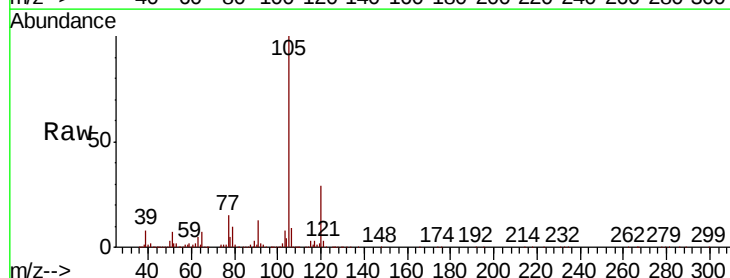
Ion Ratio Lower Upper

105 100

120 29.6 24.0 36.0

91 13.7 11.0 16.4

77 15.0 11.7 17.5

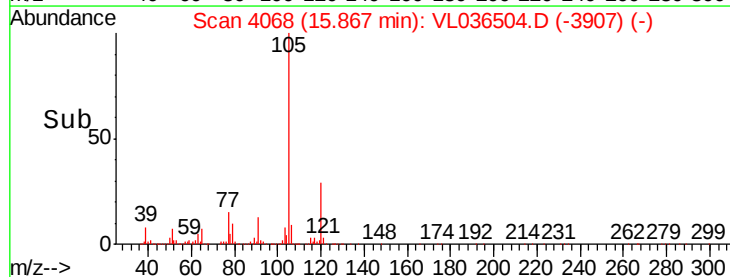
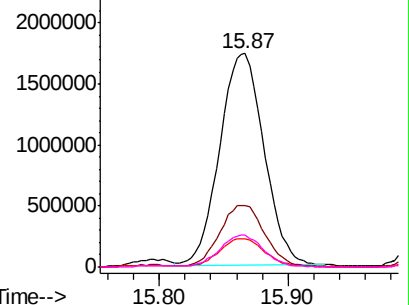


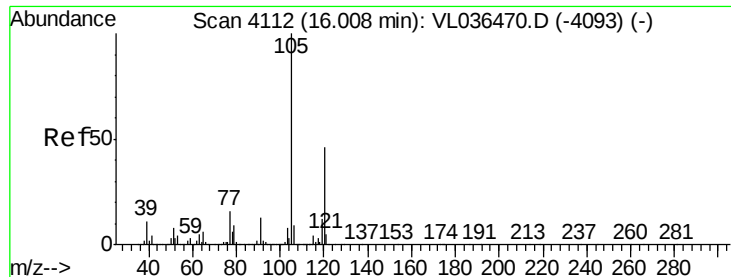
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

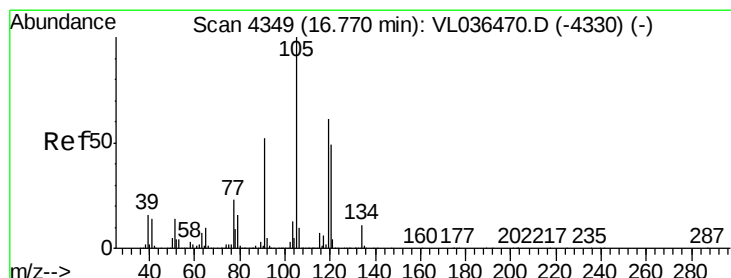
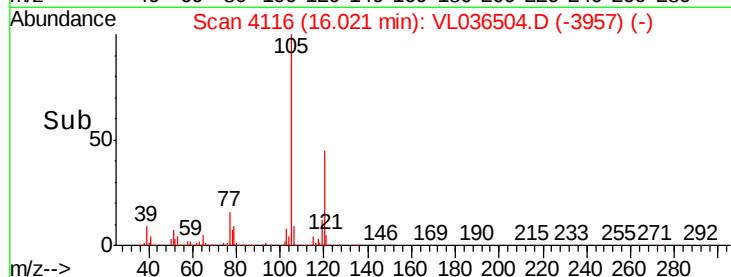
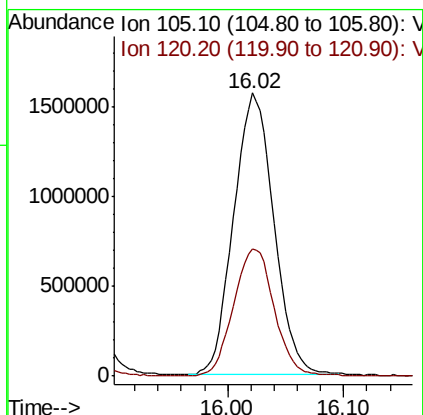
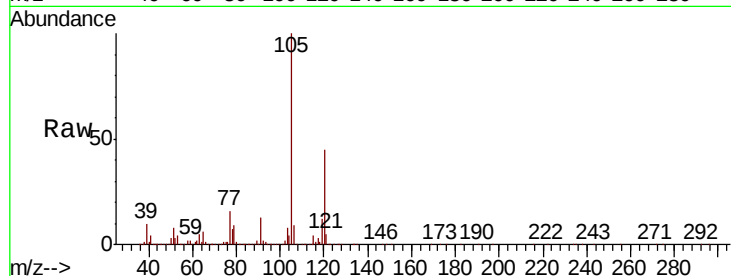




#73
 1,3,5-Trimethylbenzene
 Concen: 7.233 ppbv
 RT: 16.02 min Scan# 4116
 Delta R.T. 0.01 min
 Lab File: VL036504.D
 Acq: 26 Mar 2021 5:51

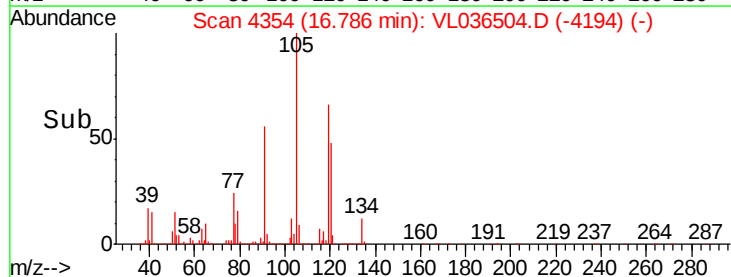
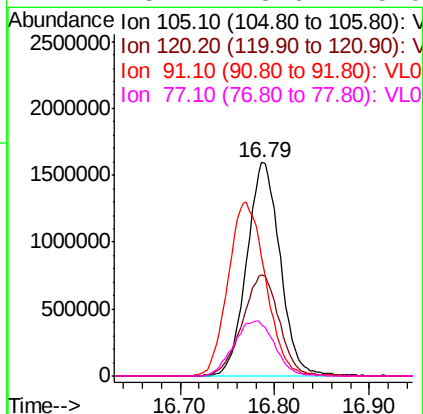
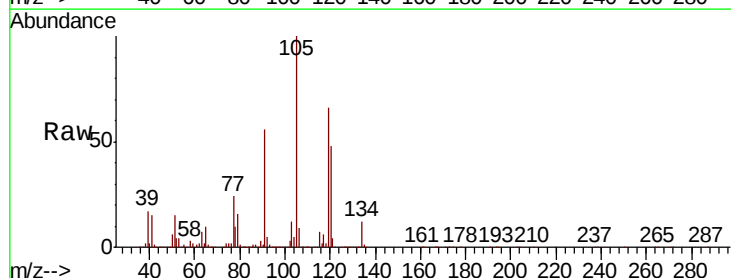
Instrument :
 MSVOA_L
 ClientSampleId :

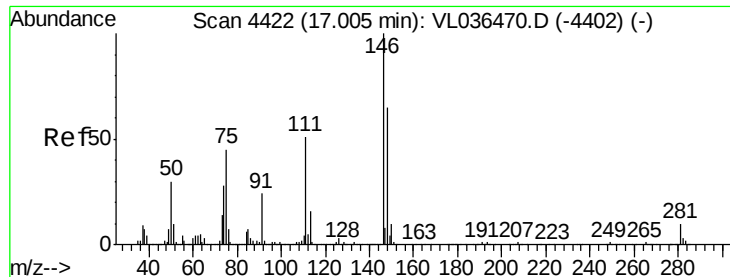
Tot Ion:105 Resp: 3770354
 Ion Ratio Lower Upper
 105 100
 120 44.9 36.6 54.8



#74
 1,2,4-Trimethylbenzene
 Concen: 6.998 ppbv
 RT: 16.79 min Scan# 4354
 Delta R.T. 0.02 min
 Lab File: VL036504.D
 Acq: 26 Mar 2021 5:51

Tgt Ion:105 Resp: 3903334
 Ion Ratio Lower Upper
 105 100
 120 47.5 39.2 58.8
 91 55.7 42.6 64.0
 77 23.7 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 7.035 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. 0.02 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Instrument :

MSVOA_L

ClientSampled :

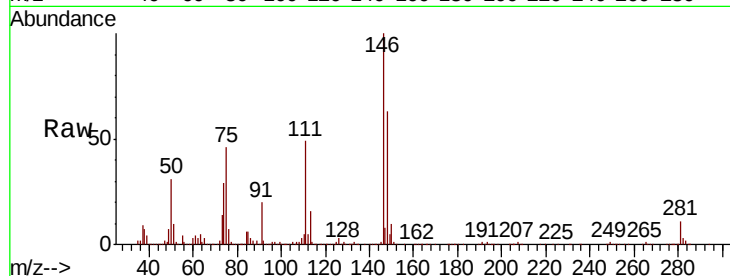
Tot Ion:146 Resp: 2208826

Ion Ratio Lower Upper

146 100

111 49.5 24.5 73.5

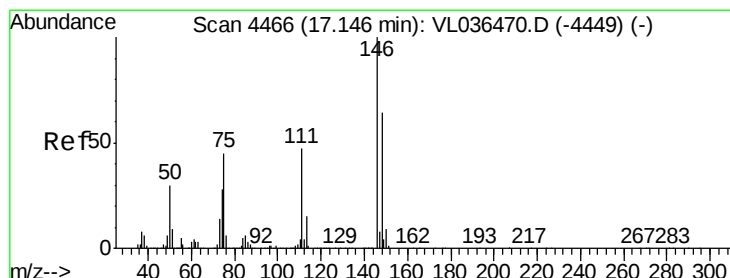
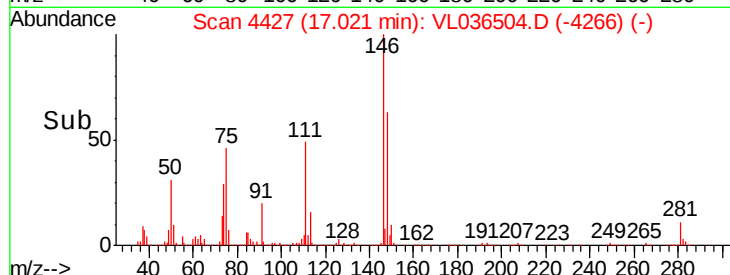
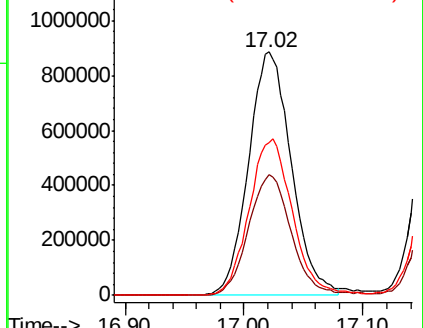
148 65.1 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 6.903 ppbv

RT: 17.16 min Scan# 4471

Delta R.T. 0.02 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

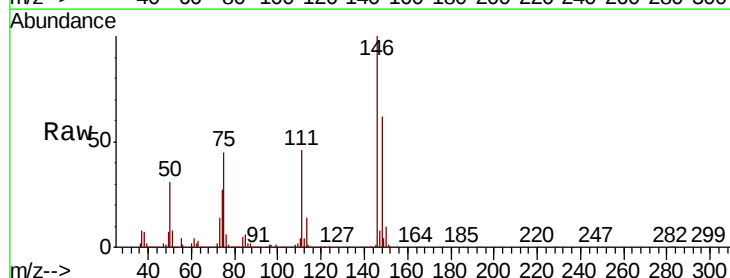
Tgt Ion:146 Resp: 2151852

Ion Ratio Lower Upper

146 100

111 49.1 24.3 72.8

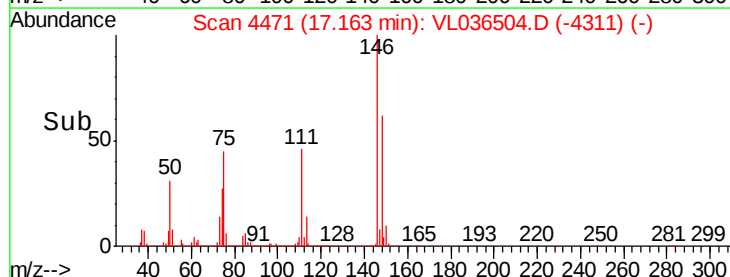
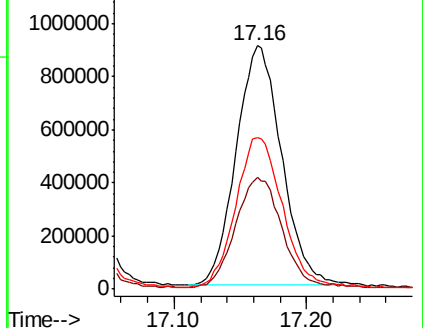
148 66.5 33.0 98.9

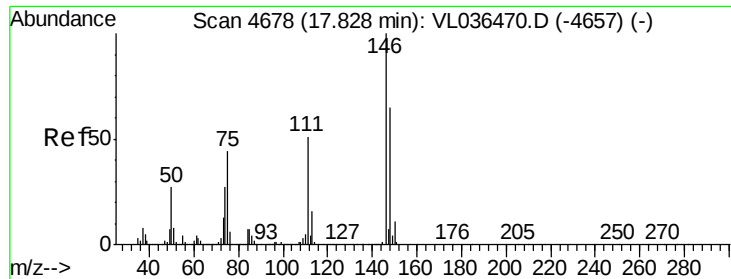


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

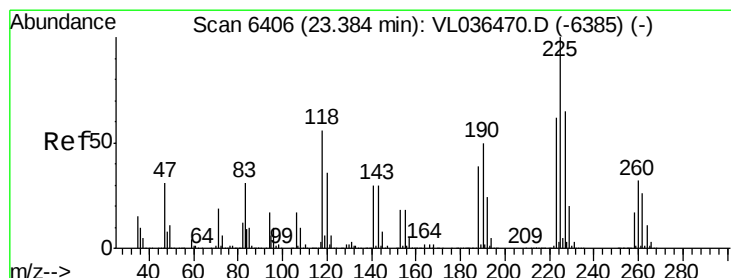
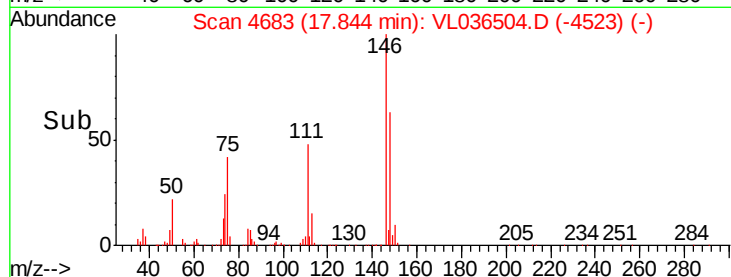
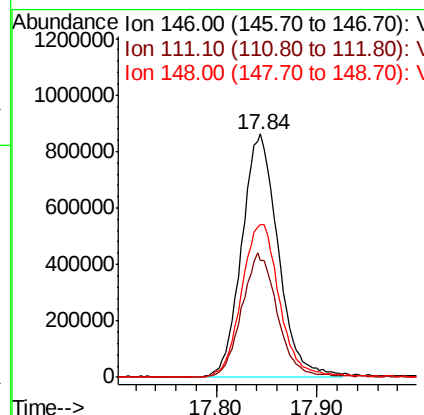
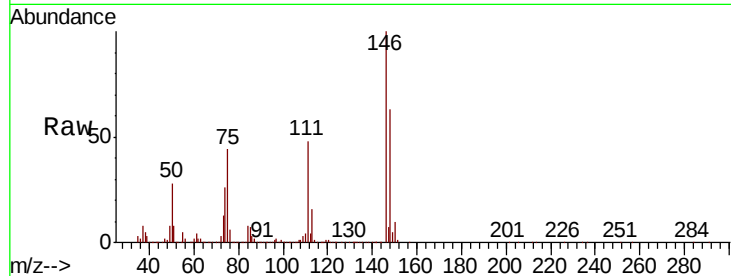




#77
 1,2-Dichlorobenzene
 Concen: 7.274 ppbv
 RT: 17.84 min Scan# 4683
 Delta R.T. 0.02 min
 Lab File: VL036504.D
 Acq: 26 Mar 2021 5:51

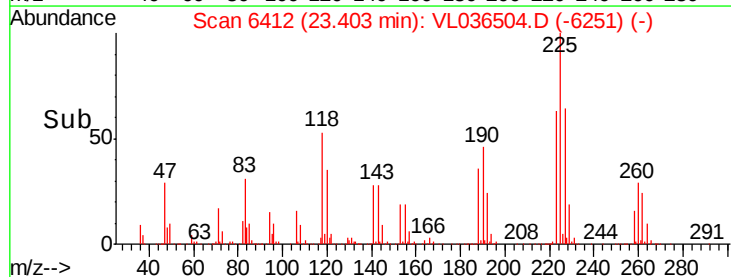
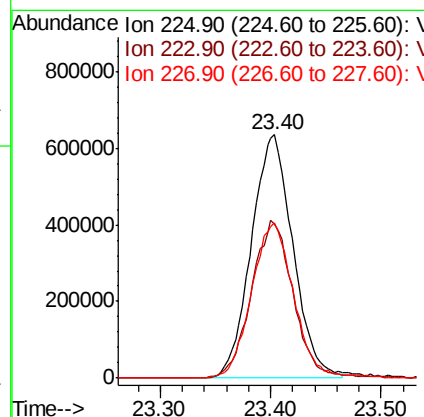
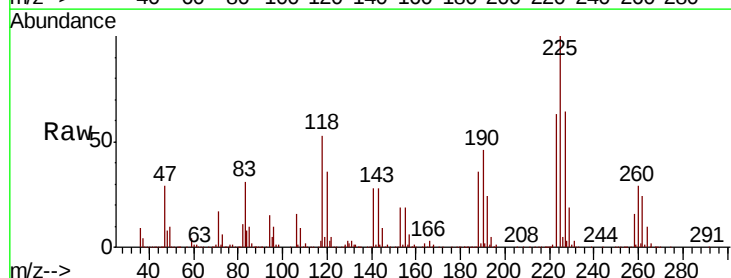
Instrument :
 MSVOA_L
 ClientSampled :

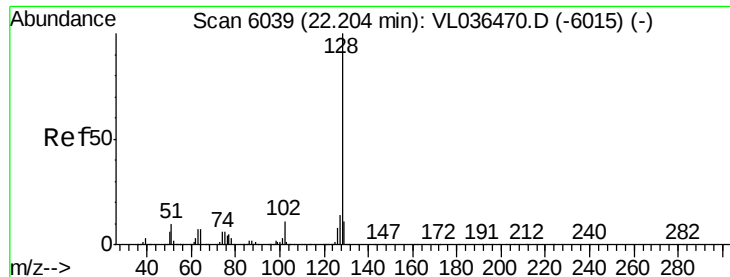
Tot Ion:146 Resp: 2146842
 Ion Ratio Lower Upper
 146 100
 111 49.8 25.5 76.5
 148 65.9 32.9 98.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.276 ppbv
 RT: 23.40 min Scan# 6412
 Delta R.T. 0.02 min
 Lab File: VL036504.D
 Acq: 26 Mar 2021 5:51

Tgt Ion:225 Resp: 1658871
 Ion Ratio Lower Upper
 225 100
 223 65.3 50.6 75.8
 227 65.3 52.2 78.2





#79

Naphthalene

Concen: 7.617 ppbv

RT: 22.23 min Scan# 6047

Delta R.T. 0.03 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

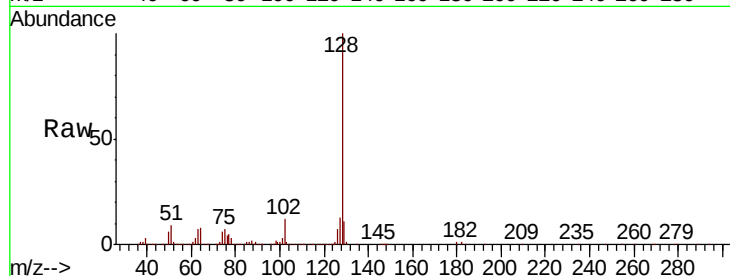
Instrument :

MSVOA_L

ClientSampled :

Tot Ion:128 Resp: 2479366

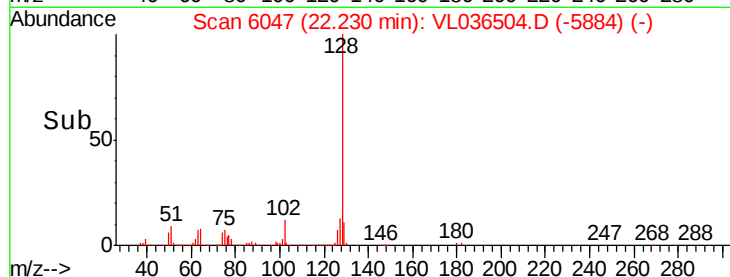
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.9	16.3
129	11.1	9.0	13.4



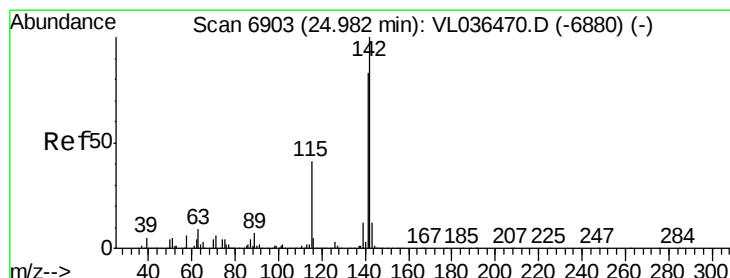
Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



Time-->



#80

Naphthalene, 2-methyl-

Concen: 4.394 ppbv

RT: 24.99 min Scan# 6907

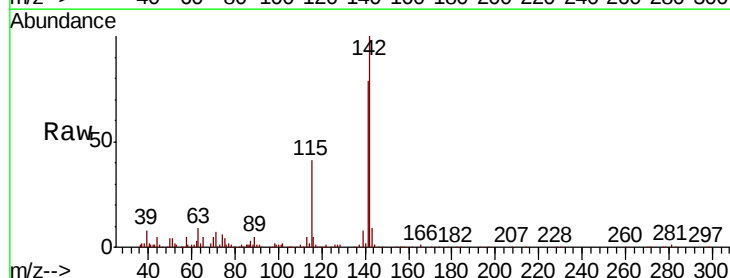
Delta R.T. 0.01 min

Lab File: VL036504.D

Acq: 26 Mar 2021 5:51

Tgt Ion:142 Resp: 282064

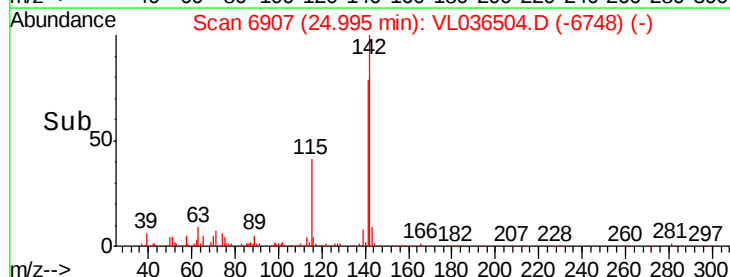
Ion	Ratio	Lower	Upper
142	100		
141	81.6	67.8	101.8
115	42.0	34.0	51.0



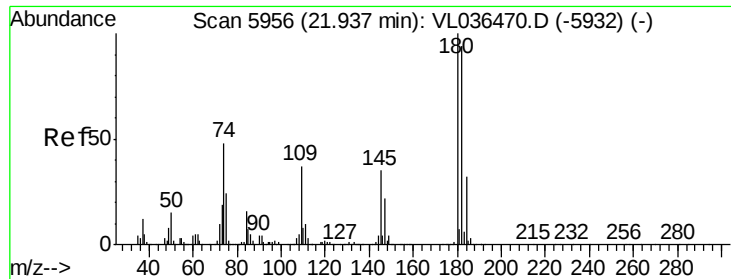
Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V



Time-->



#81
 1,2,4-Trichlorobenzene
 Concen: 7.721 ppbv
 RT: 21.96 min Scan# 5963
 Delta R.T. 0.02 min
 Lab File: VL036504.D
 Acq: 26 Mar 2021 5:51

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1551717
 Ion Ratio Lower Upper
 180 100
 182 100.6 80.8 121.2
 184 31.5 25.0 37.4

